BPI

BRICS PartNIR Innovation Center

金砖国家新工业革命伙伴关系创新基地

2022 金砖创新基地
示范培训项目

前　言

2020 年 11 月 17 日，习近平主席在金砖国家领导人第十二次会晤上宣布，中方将在福建省厦门市建立金砖国家新工业革命伙伴关系创新基地，开展政策协调、人才培养、项目开发等领域合作。2020 年 12 月 8 日，金砖国家新工业革命伙伴关系创新基地（以下简称“金砖创新基地”）正式启动。一年多来，在相关国家部委的指导下，金砖创新基地围绕“国家所需、厦门所能、金砖国家所愿”，聚焦三大重点领域，与金砖及其他新兴市场和发展中国家开展了一些探索性合作，取得阶段性成果。

人才培养是金砖创新基地三大重点合作领域之一。金砖创新基地致力于促进金砖国家新工业革命领域人才培养合作。通过加强金砖国家大学、研究机构、企业、智库等在尖端技术人力资源开发方面的合作，为金砖各国提供与新工业革命相关能力的再培训机会。

截止 2022 年 9 月，金砖创新基地已组建金砖新工业能力提升培训基地联盟，整合优势资源开展面向金砖及其他新兴市场和发展中国家的多语种线上线下人才培训活动。联盟已授牌 16 家单位，包含 8 所院校、8 家机构及企业。这些联盟单位具有良好的培训场所和后勤保障能力，并在各自擅长领域拥有完整的培训课程资源和师资团队。依托培训基地联盟单位，围绕金砖国家发展需求，重点打造投资贸易、工业互联网、数据管理、智慧医疗、智慧警务、绿色轻型建筑、职业技能培训项目，共 7 大模块 23 个示范培训项目。已完成线上培训直播平台搭建，围绕金砖及其他新兴市场和发展中国家关注的议题，面向政府官员、企业高管、技能人才和创新创业人才，开展了 30 期线上线下人才培训和交流活动，覆盖包括金砖五国及阿根廷、阿联酋、墨西哥等 44 个国家，参训学员超 84 万人次，参与国别丰富、受众面广、参训人员多、外方及媒体关注度高。

金砖创新基地将继续以人才培养工作为重要抓手，深化金砖国家创新合作、拓展金砖 + 合作交流，共同加快实现高质量、更具韧性发展的重要平台，在促进全球发展方面展现“金砖亮色”。

欢迎各界朋友对金砖创新基地人才培养工作提出意见建议，我们将根据大家的意见或需求不断改进工作，提升服务水平。欢迎随时联系我们！

金砖国家新工业革命伙伴关系创新基地

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金砖创新基地官网

金砖创新基地公众号

往期课程回放

更多培训课程详见官网。

目录

BRICS

第一章

投资贸易

01 进入中国市场系列培训项目

培训价值

通过本次培训使金砖及其他新兴市场和发展中国家的中小企业和个人在启动进入中国的计划之前，或者在他们考虑调整在中国的业务步伐时，提前了解可能遇到的问题，从而更好地了解中国的商业环境和知识产权保护相关法律。

培训对象

海外任何准备进入中国市场的企业和个人。

授课方式

线上、线下均可

授课时长

5 小时

第一模块：进入中国市场的实用策略

课程介绍

讨论主题	主题简介	学 时
在正确的地方和正确的人合作	· 了解你的国家在中国人心目中的认知 · 了解超大国家的多样性和复杂性 · 探讨如何寻找伙伴	1 小时
探讨如何在中国语境中建立名声	· 真实案例分析：来自欧美的行业品牌的成功和挑战 · 实际操作中的中外文化如何平衡 · 挑战和教训	1 小时
探讨区域层面的本土化	· 了解公共关系、政策、技术官僚，和公开信息 · 发展中国家和地方政策 · 新“双城记”- 理解重点产业支持背后的逻辑 · 案例：同一个问题，两个专业人士的不同解读	1 小时

授课师资

霍健明	· 国际商务师，厦门理工学院客座教授，佛山市外语学会副会长； · 曾任职德资西门子照明事业部 (OSRAM) 欧司朗中国公司 14 年，担任国际业务总监，及华南大区业务总监等职务。 · 具有世界 500 强欧洲跨国企业、国企及本土民企的国内外销售团队管理经历，工作领域涉及企业战略制定和实施、海外营销体系建立、渠道开发、团队管理和培训等。近年从事国际业务培训、及国际、国内业务传播咨询工作。是两家公司的创办人。

第二模块：投资中国的相关法律问题

课程介绍

讨论主题	主题简介	学 时
中国新外商投资法	基本注册要求以及自由贸易区 - 中国的一般税种 - 中国的争议解决机制	1 小时
中国知识产权保护制度及案例	**1. 中国知识产权领域的法律修订** 1）中国知识产权法律一览 2）《商标法》 3）《专利法》 4）《版权法》 5）《反不正当竞争法》 **2. 中国的知识产权管理和法院体系** 1) 国家知识产权局 2）国家版权局 3）国家市场监督管理总局 4）中国的知识产权审判制度 **3. 如何制定您在中国的知识产权战略** 1）业务开展之前的必要之举 2）商标申请 / 案例 3）专利申请 / 案例 4）规避侵权风险	1 小时

授课师资

Luiz Vidal 北京德恒律师事务所巴西籍律师	巴西律师，有十三年从业经验，其中八年为中国的国有及私营企业提供咨询；清华大学，中国法学硕士；一带一路国际商事调解中心 (BNRSC) 调解员；中国政法大学 (CUPL) 伊比利亚 - 美洲法律与公共政策研究所的顾问；巴西律师协会 (OAB) 协调中巴关系成员；就基础设施工程与投资谈判方面为客户提供法律咨询，涉及领域包括建筑法、公共行政法、合同法与公司法。具有并购交易经验，并与中国境外投资 (ODI) 的能源和基础设施项目以及外国对华直接投资 (FDI) 合作，在替代性争议与解决方面有丰富经验。
李伟华 上海大成律师事务所合伙人	毕业于美国埃默里大学法学院与上海大学法学院 / 知识产权学院，分别获得 LLM 法学硕士与民商法学硕士学位（知识产权方向）。上海律师协会知识产权委员会与美国律师协会知识产权委员会的委员，同时在上海大学、上海政法学院担任兼职硕士研究生实践导师等职务。大成 Dentons 上海办公室知识产权业务团队的合伙人，在知识产权与娱乐法法律服务领域具有十年以上的实务经验，代表客户处理过上百件知识产权诉讼。李伟华律师的专业范围涉及专利、商标、著作权、不正当竞争及商业秘密等领域的诉讼及仲裁，同时擅长处理知识产权许可与交易、知识产权尽职调查以及知识产权投融资等非诉业务。

02 投资金砖国家市场系列培训项目

系列培训一 向华为学习国际化

培训价值

以华为为代表，讲述中国海外拓展标杆企业在实践中总结的大量宝贵经验和沉痛教训，帮助企业提升国际化运营能力。邀请了具有丰富海外市场经验的前华为各领域专家、金砖研究学者及投资评估专家授课。

培训对象

金砖及其他新兴市场和发展中国家等准备进入国际市场的企业高管。

授课方式

线上、线下均可

授课时长

3 天

课程介绍

课 程	课程简介	学 时
全球化战略与海外市场拓展实践	· 企业全球化发展类型与战略布局 · 海外区域市场拓展的四个阶段 · 市场营销策划与业务管理 · 华为市场拓展实战案例	1 天
跨文化沟通与管理	· 文化的概念及价值维度分析 · 有效的跨文化交流与管理	0.5 天
海外人力资源管理务实	· 华为中方外派员工的全过程管理 · 海外本地化人才管理 · 如何塑造多元化团队	0.5 天
新工业革命视角下金砖+企业家的新生涯、新机遇、新挑战	· 新工业革命定义 (3 化 1 后) · 新工业革命视角下的金砖国家企业家 · 企业家跨国合作中的磨合与商机管理 · 用授人以筌来规划金砖国家企业家合作模式 · 金砖国家企业家准备好了吗?	0.5 天
海外投资风险与项目融资	· 海外项目投资主要风险与防控 · 海外投资项目融资	0.5 天

授课师资

孙 凯

历任华为公司国内区域代表、拉美片区公共关系总监、地区部营销副总。10 年华为公司营销管理和 3 年海外运营管理经验。

黄天中

美国爱荷华州德瑞克大学教育学博士，现任华侨大学校董、教授、博士生导师；美国纽约州库克大学生涯体验教授、中国总校区校长；温州医科大学特聘教授；中国生命关怀协会顾问。

王福俭

中国信保资信评估中心处长、中国知名海外投资风险管理及项目融资专家。

宝洪江

远景能源领导力发展顾问，洲明科技文化建设顾问。先后工作于华为大学，华为中亚地区部，华为哈萨克斯坦子公司，网易游戏事业部，腾讯互动娱乐事业群。具有多年的海外工作经历，曾在土耳其、哈萨克斯坦、乌兹别克斯坦、吉尔吉斯斯坦、蒙古常驻。

系列培训二 投资巴西的税务及法律问题

培训价值

巴西是许多中国企业的重要投资合作目标市场，但其与中国社会经济制度差异较大，通过此培训可以帮助中国企业了解投资巴西过程中的税务及法律方面可能遇到的问题，顺利与巴西企业开展合作。

培训对象

与巴西有业务往来的中国企业代表

授课方式

线上、线下均可

授课时长

3 小时

课程介绍

讨论主题	师 资	学 时
巴西税务及法律相关问题与中国的比较	巴西 TRW 律师事务所专家 雷纳尔多·拉维利	3 小时

授课师资

雷纳尔多·拉维利

雷纳尔多·拉维利是 TritchRossi Watanabe 律师事务所的合伙人，执业重心为税务咨询。他于 2011 年从西北大学法学院毕业，取得法学硕士学位。拉维利先生提供外国投资、并购、企业重组、金融交易、投资基金、房地产交易和项目融资方面的税务咨询服务。

系列培训三 投资俄罗斯知识产权保护相关问题

培训价值

俄罗斯与中国的贸易往来逐年递增，已经成为中国最大的对外贸易伙伴之一，通过此培训帮助中国企业及金砖国家的企业的知识产权从业人员提升应对海外知识产权风险的能力，了解俄罗斯在知识产权保护方面的相关法律问题，帮助企业顺利进入俄罗斯市场。

培训对象

准备进入俄罗斯市场的金砖及其他新兴市场和发展中国家的企业知识产权管理人员和技术研发骨干等。

授课方式

线上、线下均可

授课时长

3 小时

课程介绍

讨论主题	主题简介	学 时
俄罗斯知识产权保护相关问题探讨	1.S&O 知识产权律师事务所简介 2. 俄罗斯知识产权概述 3. 商标申请及确权 4. 商标侵权和维权行动	2 小时
促进高价值专利创造的专利管理体系和工作办法	1. 天马 IP 管理创新的历程 2. 管理创新的背景 3. 天马关于高价值专利战略的思考和规划 4. 支撑天马高价值专利战略的全新 IP 管理体系 5. 支撑天马高价值专利战略的具体工作办法 6. 未来 IP 工作计划	1 小时

授课师资

阿尔萨兰 · 坦加诺夫

阿尔萨兰拥有俄罗斯贝加尔湖国立大学法学学士学位，曾就职于俄罗斯司法部。2017 年，阿尔萨兰加入 SCHMITT & ORLOV（S&O）担任高级知识产权顾问以及商业拓展团队的成员。他与俄罗斯高端客户在知识产权保护领域密切合作，包括知识产权资产分析和风险识别，制定和实施知识产权保护策略；同时，阿尔萨兰也为大量中国企业的知识产权资产在俄罗斯以及其他独联体国家的保护和维权提供相应的法律支持和建议。

刘 刚

刘刚是天马微电子集团知识产权部高级经理，2013 年微电子学专业硕士毕业后加入天马微电子知识产权部学习和工作，先后负责过国内外专利申请、专利运营和专利纠纷处理、境内外专利诉讼应对等工作，目前负责协助部门负责人管理知识产权部的各项事务。

2022 金砖国家全球跨境电商人才培训项目 03

培训价值

新冠疫情的跌宕反复，加快了消费方式转变的进程，全球商业从线下向线上转移趋势明显，2020 年全球货物贸易总额下降 8%，但全球 B2C 跨境电商贸易总额不降反升，预计复合年增长率将高达 27%。跨境电商已然成为当前发展速度最快、潜力最大、带动作用最强的一种外贸新业态。通过此培训项目积极培育一批金砖国家跨境电商人才，为推进各国跨境电商产业升级、数字经济转型提供人才队伍保障。

培训对象

金砖及其他新兴市场和发展中国家使领馆官员或外事机构工作人员。

金砖及其他新兴市场和发展中国家准备进入中国市场的企业管理人员。

授课方式

线上、线下均可

授课时长

9 小时

课程介绍

课　程	课程内容大纲	学　时
Aliexpress(速卖通) 平台基础运营	1. 账号注册 2. 买家视角 3. 平台站点介绍 4. 费用 5. 刊登 6. 售前 7. 售中 8. 售后 9. 政策 10. 促销	3 小时
Shopee（虾皮）平台基础运营	1. 账号注册 2. 买家视角 3. 平台站点介绍 4. 费用与产品定价 5. 产品刊登 6. 售前 7. 售中 8. 售后 9. 平台政策 10. 促销	3 小时
Amazon（亚马逊）基础运营	1. 平台介绍 2. 账号注册 3. 品牌布局 4. 买家视角 5. 产品研发 6. 售前 7. 售中 8. 售后 9. 平台政策 10. 促销	3 小时

授课师资

罗嘉颖 Wing	海信电器国际营销部欧洲区域经理；阿里巴巴阿里学院资深培训师、项目负责人；阿里巴巴国际事业部运营专家；杭州艾外普电商联合创始人 & 总经理。
兰炳飞 Lason	杭州极客贸易合伙人；北京深蓝鲸鱼科技合伙人；阿里国际站自媒体人；阿里国际站官方协议讲师；阿里国际站产品专家智囊团。
李芸 Victor	南京四海商舟市场部总监；跨境平台高级导师，站外营销专家；宁波大学科技学院外聘导师；5 年亚马逊培训经验，曾负责上百场亚马逊培训活动。

04 “金砖 +”新经济领军人才培训项目

培训价值

深入了解一带一路与金砖及其他新兴市场和发展中国家政治、经济、法律、财税等营商环境、预测市场机会与风险，深度挖掘商业新机遇；系统学习金砖及其他新兴市场和发展中国家在大经济格局下的战略规划、业务模式、资本运作等各方面理论及实践，提升企业管理者全球化视野及跨国企业经营管理能力；以学习交流为纽带，整合资源，为金砖及其他新兴市场和发展中国家企业搭建国际化平台，助推金砖及其他新兴市场和发展中国家企业“走进来”和中国企业“走出去”，帮助企业实现项目落地。

培训对象

面向金砖及其他新兴市场和发展中国家具有海外投资需求的企业负责人和高管，以及政府主管部门官员。

课程设计

本学习项目为面向金砖及其他新兴市场和发展中国家的投资者设计，课程模块围绕金砖及其他新兴市场和发展中国家企业“走进来”和中国企业“走出去”宏观政策与投资环境，前沿技术变革，海外投资模式，跨国企业管理的关键环节，设计四大主题模块：

授课方式

线上、线下均可

授课时长

课时 16 天

第一模块：海外投资环境

培训价值

深入解读金砖与一带一路战略，深入分析金砖与一带一路沿线国家商业机遇和政策环境，为金砖及其他新兴市场和发展中国家了解中国投资环境提供智力支持。

授课时长

本模块课程规划 3 天

课程介绍

课 程	拟邀师资	师资简介	学 时
【开班论坛】取势金砖 +，中国企业海外投资	朱崇实、贺文萍、金砖办相关领导、企业代表（九牧集团董事长林孝发）		0.5 天
“一带一路”倡议的深度解读	朱崇实	厦门大学教授、博士生导师，原厦门大学校长。	0.5 天
读懂金砖峰会——金砖国家企业发展机遇	贺文萍	中国社会科学院西亚非所研究员、博士生导师。央广《环球资讯》和新华社国际问题特约评论员及时事观察员。	1 天
金砖 + 商业机会识别（非盟国家）	金家飞	哈尔滨工业大学教授、博士生导师，牛津大学赛德商学院访问学者。	0.5 天
金砖五国政治合作基础及新维度发展分析	谢素蓉	厦门大学军事教研室硕士生导师，副教授。全国首届国防教育学硕士，高等教育学博士。厦门鹭江讲坛特约学者。厦门卫视军情全球眼栏目特约嘉宾。	0.5 天

第二模块：前沿技术变革

培训价值

顺应新技术革命和产业变革机遇，系统了解新工业革命、人工智能热点，深入探寻传统企业转型的问题与对策。通过互联网智能制造标杆企业学习，帮助金砖及其他新兴市场和发展中国家企业家从理论认知提升到实践路径升级。

授课时长

本模块课程规划 3 天

课程介绍

课 程	拟邀师资	师资简介	学 时
产业结构升级与产业投资	靳 涛	厦门大学经济研究所所长，教授，博士生导师；同时兼任国家核心期刊《中国经济问题》杂志联合主编。	1 天
新工业革命：金砖国家制造业转型升级的问题与对策	陈其林	经济学博士，厦门大学教授，知名产业经济学，曾任厦门大学经济学院经济研究所所长。	0.5 天
人工智能与 5G 时代的新工业革命	孙传旺	厦门大学教授，教育部“国家人才项目”青年学者。	0.5 天
企业参访：宏泰智能工厂：智慧工业 4.0+ 工业互联网智能制造全球服务平台，福建省两化融合的样本和标杆。	蔡 舜	新加坡国立大学信息系统博士，厦门大学管理学院教授，现任厦门大学国际合作与交流处处长、台港澳事务办公室主任。	0.5 天
企业参访：姚明织带（金砖及其他新兴市场和发展中国家投资企业经验分享）	姚 明	厦门市工商联副主席、姚明织带饰品有限公司董事长，厦门大学厦门校友会会长。	0.5 天

第三模块：海外投资发展模块

培训价值

通过中国企业海外投资案例分析，帮助金砖及其他新兴市场和发展中国家企业家深入理解全球化时代背景下的企业发展逻辑，转变思维模式；掌握一系列海外投资方法论与分析工具，提升投资决策能力；走进标杆企业学习投资经验成果，进一步增强企业对一带一路和金砖及其他新兴市场和发展中国家市场的投资信心。

授课时长

本模块课程规划 5 天

课程介绍

课 程	拟邀师资	师资简介	学 时
经济全球化与金砖国家企业跨国发展的热点问题	林季红	厦门大学国际经济与贸易系教授、博士生导师、系副主任。福建省新世纪优秀人才	0.5 天
海外投资战略与海外发展业务模式	庄瑞豪	清华五道口金融学院客座教授，原科尔尼大中华区总裁，贝恩、波士顿咨询高级合伙人	2 天
【圆桌研讨】金砖国家企业如何走出去	庄瑞豪	清华五道口金融学院客座教授，原科尔尼大中华区总裁，贝恩、波士顿咨询高级合伙人	0.5 天
【标杆参访】走进特变电工——一带一路投资标杆国企参访	企业简介：特变电工是“一带一路”龙头企业。作为中国重大装备制造业核心骨干企业，是“一高两新”（“输变电高端装备制造、新能源、新材料”）国家三大战略性新兴产业发展的承担者。随着国家“一带一路”建设的推进，特变电工国际化进程进一步加快，合作国家包括吉尔吉斯斯坦、坦桑尼亚、塔吉克斯坦、印度、巴基斯坦、埃塞俄比亚等。		1 天
【标杆参访】走进红狮水泥 --- 一带一路投资标杆民企参访	企业简介：2013 年以来，红狮集团在做强国内水泥主业基础上，实施国际化战略，积极响应国家“一带一路”倡议，用“义利并举、以义为先”的理念，在印尼、老挝、尼泊尔、缅甸等“一路”沿线国家建设 5 个大型水泥项目，总投资约 20 亿美元，将世界一流的水泥工艺、技术、装备、环保和管理带到所在国，用“低碳、安全、环保”方式制造水泥，为所在国基础设施建设提供优质水泥、降低建设成本。		1 天

第四模块：跨国企业经营管理

培训价值

培育跨国经营人才，学习跨国企业管理能力，培养具有国际视野，具备国际化经营管理能力的高素质、复合型的金砖及其他新兴市场和发展中国家企业领军人才，为金砖及其他新兴市场和发展中国家顺利进入中国时长保驾护航。

授课时长

本模块课程规划 6 天

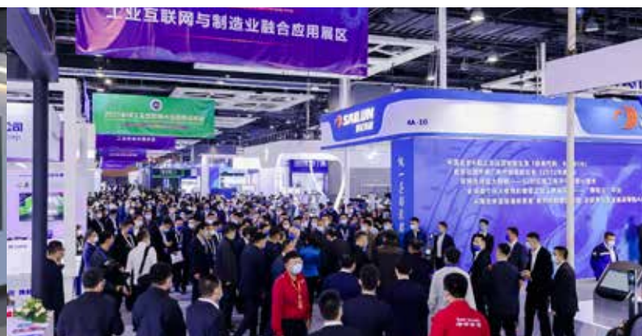
课程介绍

课 程	拟邀师资	师资简介	学 时
企业投融资决策	吴超鹏	厦门大学管理学院常务副院长，财务学系教授，博士生导师。教育部新世纪优秀人才支持计划入选者。	1 天
战略管理 -- 创造竞争优势	陈 闯	厦门大学管理学院战略与创新教授，现任厦门学管理学院 EDP 中心主任、厦门大学企业案例研究中心主任。	1 天
业界国际化最佳战略解码——以华为为例	兰 涛	前华为海外片区战略副总裁，主持完成数十家大型上市企业、民企和政府机构的战略与变革（含国际化）项目。	1 天
海外国家代表角色认知	王秀帅	传世智慧副总裁，曾任华为拉美地区代表处总监，巴西事业部总经理，有丰富海外公司经营管理经验。	1 天
跨文化沟通与管理			0.5 天
国际贸易实务	何新明	英国杜伦大学商学院高级讲师（副教授），曾任英国纽卡斯尔大学商学院讲师、厦门大学经济学副教授。	0.5 天
国际贸易中的常见法律问题纠纷解析	肖 伟	厦门大学法学院教授，法学博士，高级经济师。	0.5 天
【交流会】金砖及金砖 + 国家企业家海外投资创业经验分享	奥佳华、大博医疗、英良石材、科华恒盛、欧芭化妆品等企业代表。		0.5 天

BRICS

第二章

工业互联网



01 金砖国家工业互联网领航人才培训项目

培训价值

当前，建设新工业革命伙伴关系已成为金砖国家的共识，金砖合作的新增长点将集中体现在科技创新、数字经济、绿色经济等领域，工业互联网将成为金砖各国深化交流与合作的一个重要方向。通过此次培训积极培育一批金砖国家工业互联网高端创新人才，为推进各国工业互联网产业升级、科技创新发展、数字经济转型提供人才队伍保障。

培训对象

1. 金砖国家政府部门代表。
2. 金砖国家有数字化转型需求的企业管理和技术人员。
3. 金砖国家科研机构、大学、智库研究人员或金砖国家留学生。

授课方式

线上线下相结合方式开展培训

授课时长

4 天

课程介绍

金砖国家工业互联网领航人才研修班课程涉及五大内容：

1. 工业互联网现状与未来

工业互联网兴起的时代背景，全球及我国工业互联网发展态势；我国工业互联网国家政策解读；我国工业互联网总体发展情况分析；全球工业互联网发展趋势研判。

2. 工业互联网与数字制造

数字经济、数字产业化与产业数字化介绍，工业互联网与数字经济的关系；工业互联网体系架构及关键技术分析；数字制造的内涵认知，工业互联网在数字制造的应用。

3. 工业互联网解决方案范例

工业互联网的典型应用模式 - 平台化设计、智能化制造、网络化协同、个性化定制、服务化延伸、数字化管理典型应用案例；工业互联网典型产业应用 - 产业园区、产业集群等应用案例。

4. 工业互联网赋能中小企业发展

中小企业数字化转型现状，中小企业数字化转型路径特征，工业互联网平台赋能中小企业发展态势分析，5G+ 工业互联网赋能中小企业发展态势分析，中小企业数字化转型面临的挑战，加快中小企业数字化转型的突破点。

5. 金砖国家工业互联网合作展望

金砖国家工业互联网发展优势分析，金砖各国工业互联网技术、标准、产品、服务畅通渠道分析，中国关于工业互联网创新发展和产业数字化转型的路径探索和经验分享，资源共享、生态共建合作展望。

序 号	时 间	课程内容	授课形式	学 时
1	第一日 9:00—12:00	**开班仪式 领导致辞**		3 小时
		主题演讲：工业互联网现状与未来 王宝友	面对面授课	
		研讨：工业互联网发展启示	座谈研讨	
2	第一日 14:00—17:00	主题演讲：工业互联网与数字制造 黄 维	面对面授课	3 小时
3	第二日 9:00—12:00	调研：工业互联网典型产业应用——产业园区、产业集群等应用案例	企业参访	3 小时
		研讨：制造业数字化转型启示	座谈研讨	
4	第二日 14:00—17:00	调研：工业互联网与数字制造典型案例和实践成果	企业参访	3 小时
5	第三日 9:00—12:00	主题演讲：工业互联网解决方案范例 贺东东	面对面授课	3 小时
6	第三日 14:00—17:00	主题演讲：工业互联网赋能中小企业发展 李硕	面对面授课	3 小时
		研讨：中小企业数字化转型发展中遇到的困难和挑战，进行交流思路与经验分享	座谈研讨	
7	第四日 9:00—12:00	主题演讲：金砖国家工业互联网合作展望 工信部司局领导	面对面授课	3 小时
		结业仪式		

培训证书

学员培训结束后，将授予中国工业互联网研究院“金砖国家工业互联网领航人才研修班”培训结业证书。

授课师资

黄 维

中国科学院院士，俄罗斯科学院、亚太材料科学院、东盟工程与技术科学院、巴基斯坦科学院、欧亚科学院外籍院士，西北工业大学学术委员会主任、校务委员会副主任、柔性电子前沿科学中心首席科学家。在世界顶尖期刊 Nature、Science、Nature Electronics、 Nature Energy、Research、npj Flexible Electronics 等发表研究论文 900 余篇，h 因子为 150，国际同行引用逾 10 万次，获多国授权的发明专利 360 余项。

王宝友

中国工业互联网研究院总工程师，工学博士，正高级工程师。主要研究方向为机械制造及其自动化、电子元器件标准化、工业互联网。电子元器件及基础产品行业专家，标准化行业专家。作为项目负责人承担国家重大专项、技术基础研究、重大课题 40 余项，主编多项重大标准，发表科研论文 60 余篇，其中第一作者 40 余篇。

贺东东

树根互联股份有限公司联合创始人、CEO，带领团队打造了国内首个自主可控的工业互联网操作系统——根云（ROOTCLOUD）平台，主持过多项流程信息化、物联网、智能制造、大数据云平台相关的国家级试点示范项目。

李 硕

百度副总裁、工业互联网产业联盟工业智能实验室主任。负责智能云事业群组 to B 行业整体工作，作为行业数字化转型和智能化升级领域的领军人才，主持研发多个具有国际影响力的技术平台并获得国家、行业奖项，坚持自主研发开物工业互联网，AI 新一代对话平台，AI+ 金融科技等平台。

02 制造型企业数字化转型培训项目

培训价值

本培训项目介绍了工业互联网向上支撑工业软件开发及系统应用，向下联合工业社会并汇聚行业生态，对生产方式、商业模式、管理范式进行重塑，驱动企业进行数字化转型，以实现场景化应用和生态化发展基本情况，为传统企业数字化升级提供了可行的解决方案，重点介绍运用工业互联网 AEES 敏捷执行力全面提升各行业数字化水平，阐述了制造型企业数字化转型途径。为金砖及其他新兴市场和发展中国家传统产业升级和产业数字化转型打造可操作的智能制造工厂并提供解决方案。

培训对象

金砖及其他新兴市场和发展中国家准备进行数字化转型的企业高管。

授课方式

线上、线下均可

授课时长

3 小时

课程介绍

课程内容	课程简介	学 时
UMS 工业互联网赋能产业园区	· 企业发展类型 · UMS 联合管理系统 · 战略布局 · 工业互联网赋能产业园区	2 小时
AEES 敏捷执行及应用分享	· AEES 数字化 敏捷执行力模型 · AEES 敏捷执行系统 框架 · AEES 运作模式	1 小时

授课师资

陈建成

博士后导师，高级工程师，现任厦门盈趣科技股份有限公司总裁助理 / 菩提树投资总经理，中国电子学会物联网青年专技组专家委员，中国可穿戴计算产业联盟专家委员，福建省青年科学家协会会员，厦门市高层次人才协会理事。

郑小玲

现任厦门攸信信息技术有限公司（盈趣集团 信息化公司）R&D 项目总监、攸信智能制造研究院副主任、盈趣 UMS 研究院副主任。拥有 10 年软件开发及管理工作经验，尤其对软件系统的整合及创新开发有较丰富的实践经验及团队管理经验。

03 5G+ 智能制造与工业互联网典型培训项目

培训价值

5G 与工业互联网的融合将加速智慧城市建设，加速全球新型工业化进程，为全球经济发展注入新动能。目前，在 5G+ 工业互联网发展取得一定成效的同时，要充分看到该项技术的应用仍处于起步阶段，创新复杂度高，需与行业生产实践、行业特性、知识经验等方面紧密结合。5G 时代，新一代智能制造的核心就是数据和 AI。工业互联网平台将成为接入海量数据及智能决策分析的最佳载体。通过此次培训学员们可以了解中国工业互联网下的智能制造的发展与规划，以及智能化工厂的构成要素和设计框架。

培训对象

金砖及其他新兴市场和发展中国家工业、企业技术人员。

授课方式

线上、线下均可

授课时长

3 天

课程介绍

课程内容	课程简介	学 时
5G 网络技术概述	· 5G 组网关键技术 · 5G 低延时特性 · 5G 商业推广价值	0.5 天
工业互联网背景	· 工业 4.0 · 工业互联网网络、平台、安全体系 · 工业互联网网络框架、技术演进 · 工业互联网安全框架、标准 · 工业互联网平台评估评测方法 · 工业互联网标识解析	0.5 天
工业互联网下智能制造	· 工业 4.0 时代的全球制造业发展现状与趋势 · 工业互联网技术支撑、核心技术 · 中国制造 2025 目标与实施策略 · 中国制造 2025 实施主线：互联网 +，智能制造 · 中国制造 2025 的 5 大重点工程与 10 大重点领域	0.5 天
智能制造总体框架与实施	· 智能制造体系框架 · 智能制造实现的基础 · 智能制造实施路径 · 大数据、AI 智能、数字孪生、柔性制造	0.5 天
智能工厂的信息化与系统建设	· 数字化工厂 · 精益生产与智能制造 · 智能工厂信息系统架构 · CAD、ERP、PLM · APS、MES · CPS 系统 · 工业自动化技术	0.5 天
企业智能制造顶层框架与设计	· 为什么企业实施智能制造需要顶层设计 · 智能制造顶层设计的框架与内容 · 智能制造顶层设计的过程与方法 · 智能制造实现的基础 · 制造企业“互联网 + 智能制造”转型升级模式与线路图	0.5 天

授课师资

孙松林

北京邮电大学信息与通信工程学院电子信息工程系主任，教授，博导，中国通信学会创新驱动工作委员会委员，IEEE 高级会员、中国计算机学会 CCF 高级会员。国家自然科学基金评审专家、教育部学位与研究生教育发展中心评审专家、北京航天飞行控制中心评审委员会专家。

周盛宗

中国科学院计算技术研究所硕士、德国萨尔布吕肯市萨尔大学计算机科学系博士。曾任职德国巴特霍姆堡市专业应用计算机软件有限公司、德国盖伦基兴市徐宁工程公司。福建省引进高层

次创业创新人才百人计划，中国科学院福建物质结构研究所任研究员、虚拟制造与仿真设计研究中心主任。

李 俊

中科院海西所博士研究员、厦门大学客座教授。德国获认知系统与计算机专业博士学，从事博士后研究并留校工作。现任泉州装备制造研究所“机器人与智能系统实验室”负责人、“福建省机器人智能控制系统工程技术研究中心（科技厅）”主任。

BRICS

第三章

数据管理

01 大数据人才综合能力提升培训项目

培训价值

新一代智能制造的核心就是数据和 AI，大数据应用和处理平台以及工业互联网平台将成为接入海量数据及智能决策分析的最佳载体。本培训项目将引入工业物联网、大数据、云计算及人工智能等主题，邀请各领域专家学者授课，将加深学员对大数据、智能时代的理解，提高学员的应用创新意识，迎接全新的数字时代。

培训对象

金砖及其他新兴市场和发展中国家工业、企业工程技术人员

授课方式

线上线下相结合方式开展培训

授课时长

3 天

课程介绍

课程内容	课程简介	学 时
大数据时代的大变革	· 决策方式：目标驱动型→数据驱动 · 方法论：基于知识的方法→基于数据的方法 · 计算智能：复杂算法→简单算法 · 数据管理：业务数据化→数据业务化 · 产业竞合关系：以战略为中心→以数据为中心 · 数据处理模式：小众参与→大规模协同	0.5 天
大数据产业应用的机遇与挑战	· 知识结构 · 能力结构 · 素质结	0.5 天
互联网大数据与人工智能	· 工业 4.0 · 互联网大数据 · 人工智能	0.5 天
5G+ 工业互联网赋能智能制造	· 5G+ 工业互联网 · 人工智能与制造业的创新融合发展	0.5 天
数据安全与应用	· 大数据与数据安全	0.5 天
大数据与人工智能最新应用	· 产业应用的机遇与挑战 · 大数据应用与安全	0.5 天

授课师资

林凡

厦门大学信息学院副教授，博导，哈佛大学访问学者，兼任 FHIR Genomic 国际标准组成员。主要从事人工智能、教育大数据、工业互联网等相关领域研究，福建省“数字福建”高等教育大数据研究所副主任，福建省智能家居工程技术中心副主任。曾获得厦门市双百人才、福建省软件创新人才、江苏省双创人才等荣誉。

郑相涵

研究员，硕导，主要从事物联网与区块链、云计算与大数据、网络安全等相关领域研究。挪威 Agder 大学信息通信技术系（ICT）博士学位；就职于福州大学数学与计算机科学学院，现任网络工程与信息安全系副主任，福州大学云计算应用关键技术课题组组长，福州大学 UID 物联网联合研发中心副主任。

黄群

北京大学计算机科学技术系研究员、博导。毕业于香港中文大学计算机科学与工程系。曾就职于华为香港未来网络理论实验室，中国科学院计算技术研究所，入选中国科学院百人计划、微软亚洲研究院“铸星学者”。研究方向包括分布式系统、计算机网络与区块链。

高级数据管理人才系列培训项目 02

系列培训— 跨越数据孤岛 实现信息互联

培训价值

大数据时代，信息量庞大复杂，尤其在信息采集和使用过程中，受国家立法、产品设置、客户隐私等条件限制，数据被条块化，孤立化，无法形成合理有效利用，数据孤岛及数据污染大量存在。数据治理和应用也成为了越来越多企业关注的焦点。通过此项目培训可以提升企业数据治理能力，提高企业对有效利用数据的认识。

培训对象

金砖及其他新兴市场和发展中国家工业、企业工程技术人员

授课方式

线上、线下均可

授课时长

3 小时

课程介绍

课程内容	课程简介	学 时
数据治理与应用案例	1. 今天的数据管理：数据孤岛 2. 技术影响分析：应用程序、数据存储、数据仓库、数据湖 / 数据湖屋、BI 工具和分析 3. 元数据管理和主数据管理的需要 4. 冗余和孤立数据的影响分析 5. 数据治理的案例 6. 首席数据官的案件 7. 新兴技术及其对数据治理的影响：物联网、5G、机器学习和人工智能	3 小时

授课师资

皮特·艾肯博士 Dr. Peter Aiken

弗吉尼亚联邦大学的副教授；国际数据管理协会的前主席；麻省理工学院国际首席数据官学会的副会长；公认的数据管理 (DM) 权威，曾任白宫数据策略顾问；创立了数据蓝图公司（Data Blueprint），帮助 150 多个组织利用数据来获取利润、企业提升、提高竞争优势和运营效率。他新创公司是“Anything Awesome”。

系列培训二　跳出币圈，重新认识区块链

培训价值

区块链技术具有去中心化、数据防篡改、网络开放性和决策自治性的优势，可以探索在更多领域的运用，区块链也已经上升到国家战略层面，越来越多的大企业都已提前在未来区块链产业布局。此培训项目帮助更多的人重新认识和了解区块链技术，探讨更多应用场景。

培训对象

金砖及其他新兴市场和发展中国家工业、企业工程技术人员。

授课方式

线上、线下均可

授课时长

3 小时

课程介绍

课程内容	课程简介	学　时
跳出币圈，重新认识区块链	1. 加密和安全 2. 数字签名和安全 3. 分散财政和保护财政资源 4. 加快安全金融交易，加快供应链 5. 分布式账本、挖掘和策略 6. 智能合约和产品履行 7. 新兴区块链服务：Etherium-Hyperledger、托管区块链、AWS 和 Oracle 区块链服务使用区块链保护数据传输和机器间通信 8. 使用区块链保护数据传输和机器间通信	3 小时

授课师资

潘迪亚 博士 Dr.Abhi Pandya

佛罗里达大西洋大学（FAU）的教授；印度圣雄甘地医学院和医院认证计算机专业人员研究所和突尼斯理工大学的董事会成员，印度尼尔玛大学（NU）的顾问。在 38 年的学术生涯中，他参与了涉及物理科学、脑科学、医学、工程和计算机科学的跨学科研究。

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第四章

智慧医疗

01 护理信息能力实践模式的应用和发展培训项目

培训价值

在医疗保健组织中，护士占医疗保健劳动力的 55% 以上，通常是患者照护的主要实施者，要熟知工作流程和信息处理流程。信息技术能力也被认为是现代临床护士在医疗改革中提高护理质量所必需的技能和能力。此培训项目邀请相关专家就医院护理信息建设有关问题进行培训和交流，提升金砖国家医院护理信息化能力和水平。

培训对象

金砖及其他新兴市场和发展中国家准备发展医院护理信息能力的管理者和医务人员。

授课方式

线上、线下均可

授课时长

1.5 天

课程介绍

课程内容	课程简介	学　时
领导视角下医院护理信息建设	· 医院护理信息建设顶层设计方案 · 组织架构与运作模式 · 从大健康信息的发展看护理的高度与关键机会	0.5 天
护理信息核心能力培养	· 护士护理信息胜任力评价体系解读 · 护理信息培训模式 · 临床护士护理信息能力培训课程	0.5 天
护理信息系统专案管理模式	· 信息护士主导的信息系统研发 · 医院智慧护理案例	0.5 天

授课师资

张博论

国际健康科学信息学院院士、博士、博士生导师，台湾阳明交通大学生物医学信息研究所教授，美国明尼苏达州立大学、马里兰大学护理信息学教授，HIMSS TIGER 国际工作小组委员、健康信息胜任领导与创新卓越中心首席主任。

陈 媛

厦门大学附属心血管病医院护理部主任、MBA、硕士生导师，中华医学会心血管病分会护理学组委员，福建省护理学会心血管专业委员会主任委员。主持、参与课题 15 项，发表文章 20 余篇，获国家专利、软著 23 项。

智慧胸痛中心国际化推广应用及救治能力提升培训项目 02

培训价值

该项目将邀请知名专家就智慧胸痛中心建设经验进行培训交流和实践分享，推动金砖国家在数字技术赋能医疗卫生行业的交流与合作，对于深化金砖国家数字经济领域务实合作具有重要意义。

培训对象

金砖及其他新兴市场和发展中国家准备创建胸痛中心的的医务人员。

授课方式

线上、线下均可

授课时长

1.5 天

课程介绍

课程内容	课程简介	学 时
构建新时代智慧胸痛中心新模式	· 新时代“智慧胸痛中心”建设新思路 · 信息化建设助力从胸痛中心到心血管疾病全流程管理 · “云 +AI”下多学科协作模式在心血管重症中的探索 · 数字赋能激活胸痛中心新活力 · 基于 5G 的区域大血管救治网络的构建	1 天
智慧胸痛中心实践拓展	· 厦门全域模式智慧胸痛中心构建经验分享	0.5 天

授课师资

王 焱

厦门大学附属心血管病医院院长，香港大学医学博士、教授、主任医师、博士生导师，FACC、FESC、FSCAI，中华医学会心血管分会全国委员，中华医学会心血管病学分会介入心脏病学组副组长，中国胸痛中心执行委员会副主任委员，中国医师协会胸痛专业委员会副主任委员，海峡两岸医药交流协会心血管分会候任主任委员，中国医疗保健国际交流促进会心血管高血压病分会副主任委员，国家卫生健康突出贡献中青年专家。

吴锡阶

厦门大学附属心血管病医院副院长，心脏大血管外科主任，主任医师、医学博士、副教授，厦门市医学学科带头人、厦门市杰出青年人才、厦门市重点引进人才，国家心血管病中心微创心血管外科专业委员会委员，中华器官移植学会青年委员会委员。

王 斌

医学博士，主任医师，厦门大学副教授，硕士研究生导师，中国胸痛中心区域认证中心（厦门）分中心办公室主任，厦门大学附属心血管病医院急诊科（胸痛中心）主任，中华医学会心血管病分会结构组委员，厦门市第九批拔尖人才，厦门市第四批青年创新人才。

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第五章

智慧警务

01 电子取证培训项目

培训价值

本培训项目旨在支持金砖国家学习者在电子数据取证专业领域进行系统而实用的学习，提升学习者电子数据取证领域的相关个人能力、职业技能，行业综合管理能力。培训后有对应的考核、能力认证。金砖国家相关用人单位可以对培训后的学员进行电子数据取证从业人员技能测评，对工作业务能力分类分级，优化人才配置。

培训对象

金砖及其他新兴市场和发展中国家等执法机构（国防、内政、情报）。

授课方式

线上、线下均可

授课时长

5 天

课程介绍

时间安排		课程内容	课程简介
第一天	上午	课程导览及交流	进行学员能力测评、根据测评结果进行分组及课程内容调整
		电子数据取证在中国的发展及概述	介绍中国电子数据取证发展情况及相关经验交流，电子数据取证相关概念、调查对象。
		取证新技术	电子数据取证新技术介绍（AI 取证、物联网取证、云取证等）
	下午	电子数据取证流程规范	电子数据取证基本流程、四大基本原则。
		互联网、手机、计算机数据发现和提取技术概述	电子数据取证典型案例、取证基本概念、调查对象、发展趋势及动态等
第二天	上午	电子数据现场勘查技术	电子数据取证现场勘验基本原则及流程、勘验方法及相关注意事项
		电子数据固定技术应用	现场勘查实操演练：通过 11 楼的模拟现场让学员分组进行现场勘查及电子证据固定
	下午	电子数据远程勘查技术	电子数据远程勘查流程、电子数据远程勘验工具及方法、远程勘验相关注意事项
		电子数据远程固定技术应用	远程勘查实操演练：分组进行远程勘查模拟及数据固定
第三天	上午	模块化自动取证技术	电子数据取证分析概述，模块化自动取证技术应用：系统痕迹、用户痕迹分析，文件分类，回收站分析，日志分析等
		文件过滤及文件内容查看	文件过滤：根据文件属性快速查找检材中关注的文件，如文件名、文件时间、文件大小、快速预览各种文档、图片等文件，掌握文本样式设置方法等
		索引检索、深度检索及 GREP 语法	文件内容常规检索技术、内容深度检索（GREP 正则表达式）
	下午	计算机取证综合案例分析	实操演练
		计算机取证学习交流	学员分享学习心得以及他们在自己国内工作时涉及的案例
第四天	上午	手机取证概述、流程及常规手机基本取证方法	手机取证定义、对象，手机取证相关流程及注意事项
		Android 手机取证技术	Android 系统知识及安全机制，文件系统与应用解析
	下午	Android 手机取证技术	Android 取证实训
		iOS 手机取证技术	iOS 系统知识、安全机制、文件系统、应用解析
第五天	上午	手机画像	手机数据关联分析
		手机取证学习交流	学员分享学习心得以及他们在自己国内工作时涉及的案例
		无人机监测与反制技术	无人机反制技术在中国的应用
	下午	大比武考核	通过 17 楼靶场进行分组大比武考核检验学习成果

授课师资

吕 臻

专业从事职业技术培训工作，主要从事电子数据取证、数据恢复领域研究，参与一线案件现场取证工作，拥有丰富的一线实战经验。协助公安部组织的一带一路沿线及东盟、上合组织国家、非洲 28 国等涉外电子数据取证培训。历届全国市场监管电子数据取证大比武出题人及讲解人。深度研究新型电信网络犯罪模式及电商微商现有经营模式并对经济犯罪模式有一定研究。

李凯菁

厦门大学双学士，加拿大教育学硕士。美亚柏科培训基地培训讲师，拥有长期全英文培训授课经验，熟悉国内外最新电子数据取证技术及最新产品动态。曾参与协助公安部组织的一带一路沿线及东盟、上合组织国家、非洲 28 国等涉外电子数据取证培训。主要负责国际电子数据取证课程的英文课程研发及授课。

02 疫情防控警务技能培训项目

培训价值

当前国际国内新冠疫情形势严峻，疫情防控关乎各个国家的安全，本模块通过疫情防控案例分析，掌握疫情防控流程，降低疫情扩散速度进而控制疫情传播，帮助国外政府、企业提高防控能力。授课教师具有丰富的培训教育经验。通过学习能够提高政府、企业应对疫情防控能力。

培训对象

金砖及其他新兴市场和发展中国家的政府（警务人员）、企业（安保人员）等。

授课方式

线上、线下均可

授课时长

2 天

课程介绍

课程内容	课程简介	学　时
集训	· 警务规范、技术指导（疫情期间在线视频讲解）	8 学时
涉疫勤务指南	· 个人防护要点 · 单位防护要点 · 集中隔离医学观察点 · 机关办公防护要点	4 学时
警务检查口岸设置规范	· 警务检查口岸单车道单向查缉设置 · 警务检查口岸涉疫人员处置 · 车辆卡扣查缉 · 警务检查口岸设置规范	2 学时
实践与思考	· 全员核酸防控 · 社区疫情防控工作	2 学时

授课师资

教学团队 9 人，由李俊逢教授带队，团队成员毕业于北京大学、厦门大学、福州大学的相关专业博士，具有丰富的教育教学经验。

智慧警务培训项目 03

培训价值

智慧警务是以互联网、物联网、云计算、智能引擎、视频技术、数据挖掘、知识管理等新一代信息技术为支撑，以公安信息化为核心，通过互联化、物联化、可视化、智能化的方式，促进公安系统各个功能模块高度集成、协调运作，实现以警务信息“强度整合、高度共享、深度应用”为目标的警务发展新理念和新模式。本模块可以帮助警务部门提高社区治安治理能力。

培训对象

金砖及其他新兴市场和发展中国家的警务人员、企业（安保人员）等。

授课方式

线上、线下均可

授课时长

2 天

课程介绍

课程内容	课程简介	学　时
大数据背景下的网络舆情分析与应用	· 通过对网络舆情的研究，从多元角度追溯网络舆情产生的根源，并从公众、媒体、政府三个方面进行细化分析，深入剖析网络舆情从孕育、产生到传播的整个发展过程及规律。	3 学时
警察身心健康管理指南	· 警察身心健康是警察执法工作中旺盛斗志力的源泉；是有效应对工作压力的重要保障；直接影响着警察的执法工作效率与水平。	3 学时
社区警务树问题探究	· 基于安德逊的社区警务大树理念，社区警务树所体现的基本关系是：警务的核心功效依赖于社区，社区是抑制犯罪的主体，也是警察建设的资源，所有警察工作，包括巡逻，刑事侦查，交通管理，一切都离不开社区。	3 学时
社区治安治理	· 以公共治理理论为分析工具，构建政府主导、市场运作、社会组织和公民参与的多元主体合作共治的社区治安网络治理模式。按照“现状——问题——对策”的逻辑主线，通过典型案例分析来研究社区治安治理。	4 学时
社区警务实战执法行动案例集析	· 介绍分析中国典型的社区警务实战执法案例	3 学时

授课师资

教学团队 7 人，由李俊逢教授带队，团队成员毕业于北京大学、厦门大学、福州大学的相关专业博士，具有丰富的教育教学经验。

BRICS

第六章

绿色轻型建筑

冷弯薄壁型钢建筑结构软件应用及建筑施工培训项目 01

培训价值

本课程是针对冷弯薄壁型钢建筑结构设计软件“BIUDIPRO”的应用及建筑施工技术学习，课程通过理论与实操的结合，讲述装配式建筑中轻钢结构设计及软件应用，在实践中掌握装配式钢结构建筑建房技巧。帮助学员提升设计能力，施工能力及现场管理能力。在为金砖及其他新兴市场和发展中国家培养优秀的技术人才的同时，助力国家装配式建筑行业发展。

培训对象

金砖及其他新兴市场和发展中国家装配式建筑钢结构设计师、技术人员；各类职业院校中的土木工程学生、准备进入装配式钢结构建筑行业的企业和个人。

授课方式

线下集中培训

授课时长

8 天

课程介绍

课程内容	课程简介	学　时
施工素养	· 施工素养 · 施工组织管理	1 天
施工工序工艺	· 施工顺序 · 结构讲解	2 天
实操	· 龙骨拼装 · 样品制作	2 天
软件基础操作	· 软件的基本介绍	1 天
建筑模型	· 低层建筑模型转换成龙骨	1 天
细节讲解	· 结构设计中的细节处理	1 天

授课师资

那洪志：大禾灯塔好房子培训中心负责人，厦门大禾速建建筑科技有限公司创新中心经理，广东白云学院粤港澳大湾区装配式建筑技术培训中心特聘教授，美中钢结构协会会员；熟悉澳洲、北美体系建筑，有着丰富的项目管理和施工经验，拥有部品件发明专利及实用新型专利数十项。

吴鑫文：大禾灯塔好房子培训中心教研副主任，广东白云学院粤港澳大湾区装配式建筑培训中心特聘教授；于 2022 年 4 月出版《装配式冷弯薄壁型钢建筑结构基础》一书，精通多款轻钢设计软件，熟悉施工节点做法。

刘志文：大禾灯塔好房子培训中心执行副主任，广东白云学院粤港澳大湾区装配式建筑培训中心特聘讲师；拥有多项部品件发明专利和实用新型专利。

冷弯薄壁型钢建筑质量管理及相关研究培训项目 02

培训价值

本项目将冷弯薄壁型钢建筑案例进行剖析讲解，同时结合实践进行验证，让从事轻钢行业人员深入了解装配式建筑概念，助力国家装配式建筑行业发展。

培训对象

金砖及其他新兴市场和发展中国家轻钢建造企业技术人员，各类职业院校中土木工程专业的学生，青年创业者，准备进入装配式钢结构建筑行业的企业和个人。

授课方式

线上、线下均可

授课时长

0.5 天

课程介绍

课程内容	课程简介	学 时
多层技术标准及相关研究	· 研究背景与思路 · 标准主要技术内容 · 推广应用与发展	1 小时
装配式轻型钢结构质量管理及临安实践	· 政策与市场的初吻 · 材料与技术的痛点 · 轻型钢结构的秘密 · 轻钢技术发展初衷	1 小时
轻型预制装配旅居建筑的发展	· 各国经典案例特点介绍	1 小时

师资简介

石宇：大禾众邦创新中心专家，重庆大学博士、教授，硕士生、博士生导师。2014 年 10 月 -2015 年 10 月获得 CSC 资助赴加拿大滑铁卢大学土木及环境工程系进行访问研究。截止目前，主持国家和省部级科研项目 10 余项，其中国家自然科学基金 2 项；发表与冷弯薄壁型钢结构相关的学术论文 30 余篇，参与编写规范 4 部。

孙海涛：大禾众邦创新中心专家，结构工程博士，浙江农林大学土木工程教授，浙江农林大学装配式钢结构建筑研究所所长。研究领域为数值方法在工程上的应用、装配式轻型钢结构系统技术。

吴少峰：大禾众邦创新中心专家，华侨大学建筑学院硕士生导师，国家一级注册建筑师，中国青年建筑师奖；现任华侨大学建筑学省级工程实践教育基地主任。华侨大学建筑产业化研究生站负责人；华侨大学乡村振兴研究生工作站负责人。

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第七章

职业技能培训项目

01 城市轨道交通运营管理专员培训项目

培训对象

面向金砖及其他新兴市场和发展中国家城市轨道交通运营企业管理部门技术人员、运营一线站务管理、车辆检修等岗位人员。

授课方式

线上、线下均可

授课时长

18 天

课程介绍

模　块	主要课程	学　时
轨道交通经营管理与创新思维	《宏观形势分析与城市轨道交通发展展望》 《地铁现场管理》 《大型客运枢纽与综合换乘》等	6 天
城市轨道交通运营管理	《城市轨道交通客运组织》 《城市轨道交通行车组织》 《城市轨道交通概论》等	7 天
城市轨道交通车辆技术	《城市轨道交通列车操作及故障处理》 《城市轨道交通车辆构造》 《城市轨道交通应急处理》等	5 天

授课师资

厦门城市职业学院交通工程学院（二级学院）轨道交通师资团队及与厦门城市职业学院有校企合作关系的轨道交通行业的地铁运营企业、技术研发企业高管、高级工程师。

智慧渔业人才培训项目 02

培训对象

金砖及其他新兴市场和发展中国家从事渔业生产、养殖领域的企业家或技术人员

授课方式

线下集中培训

授课时长

40 天

课程介绍

课 程	学 时
水产养殖常用设备简介	6 天
水质监测与调控技术	5 天
水产养殖学	8 天
物联网技术	3 天

课 程	学 时
水产养殖企业 ERP 管理系统	3 天
工厂化循环水养殖成套设备	8 天
智慧渔业管理系统	7 天

授课师资

李碧全

厦门海洋职业技术学院生物学院院长，国家职业技能鉴定高级考评员、福建省渔业协会特聘专家、福建省渔业学会海水养殖专业委员会委员、福建省饲料研究会生物饵料专委会委员。主要从事海水经济动物苗种繁育技术，主持《中国仙女蛤人工育苗技术》等省级科研项目 2 项、厅级 3 项。主要负责《水产养殖学》课程授课。

魏茂春

厦门海洋职业技术学院，副教授。中国智慧渔业协会常务理事、大北农渔联网工程首席科学家。主要研究方向：智慧渔业大数据公共服务平台，渔业自动化设备，智慧渔业管理系统。主要负责《水产养殖常用设备简介》、《工厂化循环水养殖成套设备》、《水产养殖企业 ERP 管理系统》、《智慧渔业管理系统》等课程授课。

增材制造培训项目 03

培训对象

金砖及其他新兴市场和发展中国家企业员工，有机械加工基础者。

授课方式

线下集中培训

授课时长

40 天

课程介绍

课 程	学 时
三维数字建模	7 天
三维扫描与产品检测	5 天
产品逆向设计	5 天
3D 打印原理与设备维护	3 天

课 程	学 时
3D 打印数据处理	7 天
光固化 SLA 工艺规划与加工	5 天
金属 SLM 工艺规划与加工	5 天
后处理技术	3 天

授课师资

苏扬帆

女，高级讲师、高级技师，3D 打印专业带头人。主要承担《3D 打印数据处理与工艺规划》、《机构设计》和《原型制作》等课程授课。

游暖媛

女，讲师、高级工，3D 打印技术应用专业骨干教师。主要承担《三维实体建模》《逆向工程》《造型设计》《3D 打印实训》等课程授课。

04 工业机器人与智能制造培训项目

培训对象

金砖及其他新兴市场和发展中国家企业员工，有计算机操作与编程基础者。

授课方式

线下集中培训

授课时长

40 天

课程介绍

课 程	学 时
工业机器人离线编程与仿真	8 天
工业机器人现场编程	8 天
工业机器人三维建模	8 天
工业机器人虚拟拆装	8 天
智能工厂数据采集与监视控制系统	8 天

授课师资

厦门华厦学院信息与智能机电（二级学院）工业机器人师资团队及校企合作企业工程师共 23 人，团队中具有双师素质教师超过 80%，拥有省级教学名师 1 人，享受国务院政府特殊津贴 2 人，市级优秀教师 5 人，副高级职称以上 13 人，博士 3 人，具有 FANUC 讲师资格 2 人，具有各项职业资格证书考评员 15 人。

05 移动通信（5G）技术培训项目

培训对象

金砖及其他新兴市场和发展中国家企业员工，有计算机操作与编程基础者。

授课方式

线下集中培训

授课时长

36 天

课程介绍

课 程	学 时
LTE、5G 移动通信技术	7 天
IUV 移动通信技术虚拟仿真	8 天
LTE、5G 网络规划与优化	8 天
移动通信传输网技术	7 天
光接入技术及应用	6 天

授课师资

厦门华厦学院信息与智能机电学院通信工程专业师资队伍，校企混编师资团队。现有校企混编师资团队教师 19 人，其中正高职称 4 人，副高职称 7 人，中级职称 8 人，具有副高级专业技术职务以上的教师 11 人；博士 4 人，硕士 10 人。

ICT 工程师培训项目 06

培训对象

金砖及其他新兴市场和发展中国家企业员工，有一定的计算机网络基础，从事计算机网络技术、网络工程、电子工程等相关领域工作。

授课方式

线下集中培训

授课时长

30 天

课程介绍

通过培训后可以考取华为 HCIA-Routing&Switching 认证。

模 块	课程内容	学 时
第一模块： 数据通信技术	《ICT 行业基础》《数据通信基础》《以太网交换原理》 《IP 路由基础》《路由协议原理》《广域网技术》 《网络安全基础与网络接入技术》《IPv6 基础》	10 天
第二模块： 网络管理技术	《网络管理基础》《路由控制技术》《简单网络管理》 《防火墙安全管理》《云计算管理》	10 天
第三模块： 企业网络架构	《典型园区网络组网方式》《典型无线网络组网方式》 《典型数据中心组网方式》	10 天

授课师资

陈鉴章

厦门 ICT 工程师基地总监，企业网络项目经理，熟悉大型网络环境运维管理。 企业安全厂商安全工程师，熟悉安全应用设备实施部署等。主要负责 Cisco、华为 NA、NP 课程授课，熟悉华为安全 、云计算相关课程。

吴永钦

网络教学经理，思科认证专家，第五届“C4 网络技术挑战赛”全国一等奖队伍指导老师，担任多个学校外聘专业讲师，对华为、思科、锐捷、深信服、绿盟、360 企业安全等各大厂商产品及解决方案有深入研究。

零基础发型师沙龙实战培训项目 07

培训对象

金砖及其他新兴市场和发展中国家零基础发型师或中工升发型师。

授课方式

线上、线下均可

授课时长

12 天

课程介绍

课 程	学 时	课 程	学 时
做好发型设计师的各项准备	1 天	专业发型设计图的制作	1 天
正确认识发型设计师的专业形象	1 天	标准化手法训练	1 天
发型立体构成要素	1 天	发型内结构的形体及裁剪方法	1 天
发型切口面裁剪方法	1 天	发型纹理剖析	1 天
刀口角度的认识	1 天	男士发型设计与裁剪	1 天
点和发片的角度认识	1 天	标准化练习考核	1 天

授课师资

蔡艺卓

欧芭集团董事长，厦门市第十六届人大代表，厦门市美发美容化妆品行业协会会长，中国美发美容协会副会长。多次作为表演嘉宾及美发导师参加英国伦敦 FELLOW SHIP，西班牙 SALON LOOK 等全球顶级发型盛会。并连续 13 年在中国举办世界美发大会，吸引了世界各地的美发行业精英来到中国交流学习。

饶邦飞

欧芭集团名姿美发学院总校长，名姿美发学校董事会执行总监，中国商业技师协会理事；世界美发大会表演作品总监制；伦敦国际沙龙美发节亚洲区表演嘉宾；西班牙马德里 salonlook 表演嘉宾；XMIFW 国际时尚周特邀嘉宾造型师。

吴富明

名姿美发学院厦门校区校长；2006 年 -2008 年担任广州名姿魔鬼训练学校校长；受邀至英国伦敦 TONI&GUY 总部交流深造；伦敦国际沙龙美发节亚洲区表演嘉宾；西班牙马德里 salonlook 表演嘉宾；中国美发高级技师；厦门市美发美容化妆品行业专家委员会成员。

BPI
BRICS PartNIR Innovation Center
金砖国家新工业革命伙伴关系创新基地

BPI

BRICS PartNIR Innovation Center

金砖国家新工业革命伙伴关系创新基地

BRICS PARTNIR INNOVATION CENTER
EXEMPLARY TRAINING PROGRAMS 2022

FOREWORD

On November 17, 2020, President Xi Jinping announced at the 12th BRICS Summit that China will establish the BRICS PartNIR Innovation Center in Xiamen City, Fujian Province, to advance policy coordination, personnel training and project development. On December 8, 2020, Xiamen officially kicked off the construction of BRICS PartNIR Innovation Center. More than a year into its launch, focusing on "what China needs, what Xiamen can deliver and what BRICS countries expect", BRICS PartNIR Innovation Center has carried out a wide array of exploratory cooperation surrounding three key spheres with BRICS and other emerging markets and developing countries, with fruitful results achieved.

Personnel training is one of the three key spheres of cooperation carried out by BRICS PartNIR Innovation Center. Committed to fostering the much-needed talent shoring up the on-going new industrial revolution in BRICS member states, BRICS PartNIR Innovation Center offers opportunities for retaining in the capabilities related to the new industrial revolution by advancing cooperation on high-caliber technical talent development with universities, research institutions, enterprises and think tanks from BRICS countries.

BRICS PartNIR Innovation Center has set up the BRICS Alliance of New Industrial Capability Enhancement and Training Bases to bring together advantaged resources in its drive to offer multilingual online and offline training seminars to trainees from BRICS and other emerging markets and developing countries. As of September 2022, the Alliance has been joined by 16 members, including 8 universities/colleges and 8 institutions/enterprises that not only boast best-in-class training facilities and support teams, but also take pride in their full-fledged training courses and accomplished lecturers who are recognized authorities in their fields of expertise. Building upon the strength of Alliance members and focusing on the development needs of BRICS member states, BRICS PartNIR Innovation Center has successfully rolled out 23 exemplary training programs in 7 major modules, i.e., "Investment and Trade", "Industrial Internet", "Data Management", "Smart Healthcare", "Smart Police", "Lightweight Construction", and "Vocational Training". Through its live streaming platform for online training, BRICS PartNIR Innovation Center has delivered 30 online and offline training and exchange seminars focusing on topics of concern to the government officials, corporate executives, professionals, innovators and entrepreneurs from 44 countries, including BRICS member states, Argentina, United Arab Emirates, Mexico, etc., benefiting more than 840,000 trainees and drawing extensive attention from foreign governments and the media.

BRICS PartNIR Innovation Center will continue to take talent fostering as the linchpin of its work, further advance the innovation cooperation between China and other BRICS member states, expand the "BRICS Plus" cooperation and exchange mechanism, and ratchet up efforts to build itself into a pivotal platform for high-quality and resilient development, thus exuding the "BRICS Brilliance" which has contributed immensely to global development.

We welcome opinions and suggestions from all friends to inform our sustained efforts to polish up our personnel training and to enhance our services. Please feel free to contact us anytime!

BRICS PARTNERSHIP ON NEW INDUSTRIAL REVOLUTION INNOVATION CENTER

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CONTENTS

BRICS

BRICS

Chapter I

INVESTMENT AND TRADE

01 TRAINING PROGRAM ON HOW TO ENTER THE CHINESE MARKET

Description

This program aims to help SMEs and individuals from BRICS and other emerging markets and developing countries (EMDCs) gain a better understanding of China's business environment and intellectual property laws and get clued up on various issues they may face before launching plans to enter the Chinese market or considering any potential adjustments to their operations in China.

Participants

Companies and individuals prepared to enter the Chinese market.

Lecturing

Online or offline

Duration

5 hours

Module 1:

PRACTICAL STRATEGIES FOR PUSHING INTO THE CHINESE MARKET

Course List

Topic	Description	Duration
Working with the right partner in the right place	· Understanding Chinese people's perception of your country · Understanding the diversity and complexity of the Chinese market · Discussing how to find partners	1 hour
Making your name in China	· Case analysis: the success and challenges of industry leaders from Europe and the United States · How to achieve a balance between the Chinese and foreign cultures in practice · Challenges and lessons	1 hour
Localization at regional level	· Understanding public relations, policies, technocrats, and public information · Developing countries and local policies · The New Tale of Two Cities: understanding the logic behind the support policies for key industries · Case study: different perspectives of two professionals on the same issue	1 hour

Lecturers

Huo Jianming

Mr. Huo is an international business engineer, visiting professor at Xiamen University of Technology, and vice president of Foshan Foreign Languages Society.

He worked for OSRAM China Light Ltd. (a lighting spinoff of Siemens) for 14 years, where he served as international business director, southern China business director and other positions.

He used to lead the domestic and foreign sales teams of Fortune 500 multinational companies, state-owned enterprises and private companies, taking charge of the formulation and implementation of corporate strategies, the establishment of offshore marketing systems, the development of marketing channels, the management and training of sales teams, etc. In recent years, he has been committed to the training on international operations and consulting on international and domestic operations. He founded two companies.

Module 2:
LEGAL ISSUES RELATED TO INVESTING IN CHINA

Course List

Topic	Description	Duration
China's New Foreign Investment Law	**Basic registration requirements and free trade zones** - Taxation in China - Dispute resolution in China	1 hour
Intellectual property protection in China and case study	**1. China's amendments to its intellectual property laws** 1) China's intellectual property laws 2) Trademark Law 3) Patent Law 4) Copyright Law 5) Anti-Unfair Competition Law **2. China's IP management and court system** 1) China National Intellectual Property Administration 2) National Copyright Administration 3) State Administration for Market Regulation 4) China's IP case trial system **3. How to develop your IP strategy for China** 1) Necessary steps before starting business 2) Trademark application/case study 3) Patent application/case study 4) How to avoid the risk of IPR infringement	1 hour

Lecturers

Luiz Vidal
Brazilian lawyer of DeHeng Law Offices

Brazilian lawyer with 13 years of working experience, 8 of which advising Chinese state-owned and private corporations. Master in Chinese Law at Tsinghua University. - Mediator at BNRSC Belt and Road Services Connections Mediation Center. - Counselor at the Ibero-American Institute of Law and Public Policies from China University of Political Science and Law (CUPL). - Member of the Coordination of China-Brazil Relations from the Brazilian Bar Association (OAB). Provide legal advice to clients in infrastructure projects and investment negotiations, acting in the areas of Construction law, Public Administrative law, Contract law and Corporate law. Have experience in M&A transactions and have been working with Chinese outbound investments (ODI) in energy and infrastructure and foreign direct investments into China (FDI). Experienced in alternative disputes and resolutions.

Li Weihua
Partner of Dentons Shanghai Office

Mr. Li graduated with a Master of Laws (LLM) from Emory University School of Law and a Master of Laws in Civil and Commercial Law (Intellectual Property) from Shanghai University Law School/Intellectual Property School. He is a member of the Intellectual Property Committee of the Shanghai Bar Association and the Section of Intellectual Property Law of the American Bar Association. He also serves as a part-time postgraduate internship tutor at Shanghai University and Shanghai University of Political Science and Law. As a partner of the Intellectual Property Team of Dentons Shanghai Office, he has accumulated more than ten years of legal service experience in the sphere of IP and entertainment laws, and has managed and litigated hundreds of IP cases on behalf of clients. Mr. Li's areas of expertise include litigation and arbitration relating to patent, trademark, copyright, unfair competition and trade secret. He is also adept at handling non-litigation cases such as IP licensing and transaction, IP due diligence, IP investment and financing, etc.

TRAINING PROGRAM ON HOW TO INVEST IN BRICS MARKETS 02

Episode 1: Follow the Example of Huawei to Globalize Your Business

Description

This training program teaches trainees the valuable experience and painful lessons from Huawei, a trailblazer of international operations, thereby helping companies improve their capabilities to carry out international operations. The lecturers invited are former Huawei experts, BRICS research scholars and investment evaluators who boast rich experience in overseas markets.

Participants

Corporate executives of companies from BRICS and other EMDCs and intend to enter international markets.

Lecturing

Online or offline

Duration

3 days

Course List

Course	Description	Duration
Globalization Strategies and International Market Expansion Practices	· Globalization paradigms and the associated strategic arrangements · Four stages of overseas regional market expansion · Marketing planning and business management · Case study: Huawei's market expansion	1 day
Cross-cultural Communication and Management	· Analysis of culture and its value dimensions · Effective cross-cultural communication and management	0.5 day
Overseas Human Resource Management Practices	· Whole-process management of Huawei's Chinese expatriates · Management of local human resources · How to build a diversified team	0.5 day
New Career, Opportunities, and Challenges for BRICS and EMDC Entrepreneurs from the Perspective of the New Industrial Revolution	· Definition of the new industrial revolution · BRICS and EMDC entrepreneurs from the perspective of the New Industrial Revolution · How should entrepreneurs carry out international cooperation and manage business opportunities? · Planning for the cooperation among BRICS and EMDC entrepreneurs by teaching them how to do business · BRICS and EMDC entrepreneurs: are you ready?	0.5 day
Risks Associated with Outbound Investment and Project Financing	· Main risks associated with outbound investment and prevention measures · Financing of outbound investment projects	0.5 day

Lecturers

Sun Kai	He served as Huawei's representative for China Region, director of Public Relations for Latin America, and vice president of Regional Marketing, boasting 10 years of experience in marketing management and 3 years of experience in the management of international operation.
Huang Tianzhong	He holds a doctorate in education from Drake University in Iowa, USA, and is currently a trustee, professor and doctoral supervisor of Huaqiao University. He is also a career experience professor at Keuka College in New York, USA and the president of its China Campus, a distinguished professor at Wenzhou Medical University, and a consultant for the Chinese Association for Life Care.
Wang Fujian	He is director of Credit Evaluation Center of China Export & Credit Insurance Corporation, and also an accomplished expert on outbound investment, risk management and project financing.
Bao Hongjiang	He is leadership development consultant at Envision Group and cultural construction consultant at Unilumin. He worked for Huawei University, Huawei Central Asia Region, Huawei Technologies Kazakhstan, NetEase Games, Tencent Interactive Entertainment Group, and has years of experience of working abroad, including Turkey, Kazakhstan, Uzbekistan, Kyrgyzstan, and Mongolia.

Episode 2: Tax and Legal Issues Related to Investing in Brazil

Description

Brazil has always been an important investment destination for many Chinese companies, yet its economic system is distinctly different from China's. This training program aims to help Chinese companies get clued up on the tax and legal issues they may face in investing in Brazil, thereby securing their cooperation with Brazilian counterparts.

Participants

Representatives of Chinese companies doing business in Brazil

Lecturing

Online or offline

Duration

3 hours

Course List

Topic	Lecturer	Duration
Tax and legal issues in Brazil and comparison with China	Reinaldo Ravelli, expert from Trench Rossi Watanabe Advogados.	3 hours

Lecturers

Reinaldo Ravelli

Reinaldo Ravelli is a partner of Trench Rossi Watanabe Advogados. His practice is focused on tax advisory. He received a master of laws degree (LL.M.) from the Northwestern School of Law in 2011. Mr. Ravelli works with tax advisory for Foreign Investments, Mergers & Acquisitions (M&A), Corporate Reorganizations, Financial Transactions, Investment Funds, Real Estate Transactions and Project Financing.

Episode 3: IPR-Related Issues Related to Investing in Russia

Description

In parallel with the ever-mounting trade volume with China year by year, Russia has become one of China's largest foreign trade partners. This training program aims to help IP practitioners from companies based in China and other BRICS countries scrupulously avoid the risk of IPR infringement and learn about the relevant laws of Russia on IP protection, and to help companies smoothly and successfully enter the Russian market.

Participants

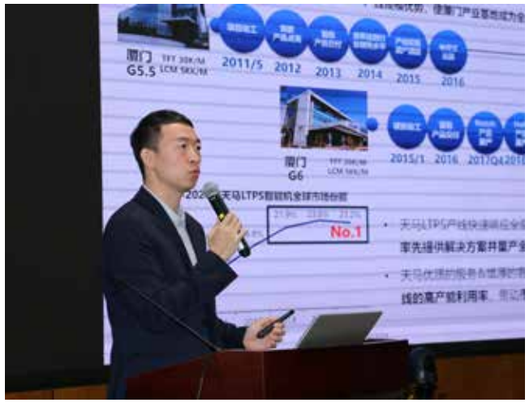
IP managers and R&D leaders from companies based in BRICS and other EMDCs that are poised to expand their businesses into the Russian market.

Lecturing

Online or offline

Duration

3 hours



Course List

Topic	Description	Duration
Intellectual Property Protection in Russia	1. Introduction to S&O Intellectual Property Firm 2. Overview of Intellectual Property protection in Russia 3. Trademark application and confirmation 4. Trademark infringement and rights protection	2 hours
Patent Management System and Business Practices Underlying the Creation of High-Value Patents	1. Tinama's history of IP management innovation 2. Backdrop of management innovation 3. Tianma's reflections and planning on high-value patent strategy 4. New IP management system underpinning Tianma's high-value patent strategy 5. Specific business practices undergirding Tianma's high-value patent strategy 6. Future plan for IP work	1 hour

Lecturers

Arsalan TANGANOV

Mr. Arsalan holds a Bachelor of Laws from the Baikal State University of Russia and once worked for the Russian Ministry of Justice. In 2017, he joined SCHMITT & ORLOV (S&O) as senior IP consultant and a member of its Business Development Team. He works closely with high-end Russian clients on IP protection, including IP asset analysis and risk identification, drafting and implementation of IP protection strategies, etc. In the meantime, he provides legal support and advice for protecting the IP assets of Chinese companies in Russia and other CIS countries.

Liu Gang

Mr. Liu is senior manager of the Intellectual Property Department of Tianma Microelectronics Co., Ltd. After graduating with a master's degree in microelectronics in 2013, he joined the Intellectual Property Department of Tianma Microelectronics and presided over work related to domestic and foreign patent application, patent operation, patent dispute resolution, and response to domestic and foreign patent litigations. Currently, he is assisting the head of Intellectual Property Department in managing relevant work of the department.

03 2022 TRAINING PROGRAM TO FOSTER CROSS-BORDER E-COMMERCE PROFESSIONALS

Description

The sporadic outbreaks of COVID-19 are speeding up the transformation of consumption patterns, prompting businesses worldwide to move from offline to online. In 2020, the global trade in goods tumbled by 8%, and yet the global revenue of B2C cross-border e-commerce market achieved a startling CAGR as high as 27%. Cross-border e-commerce has become a whole-new foreign trade paradigm boasting the fastest pace of development, the highest potential and the greatest impetus. This training program aims to foster a strong lineup of cross-border e-commerce professionals to provide intellectual support for the upgrading of the cross-border e-commerce industry and the transformation of the digital economy in BRICS countries.

Participants

Officials and staff members from the embassies and consulates of BRICS and other EMDCs.
Managers from companies based in BRICS and other EMDCs that are poised to enter the Chinese market.

Lecturing

Online or offline

Duration

9 hours

Course List

Course	Description	Duration
How to sell on AliExpress	1. Sign up 2. Buyer's perspective 3. Introduction to AliExpress 4. Fees 5. Listing 6. Pre-sale 7. In-sale 8. After-sale 9. Policy 10. Promotion	3 hours
How to sell on Shopee	1. Sign up 2. Buyer's perspective 3. Introduction to Shopee 4. Fees and product pricing 5. Listing 6. Pre-sale 7. In-sale 8. After-sale 9. Policy 10. Promotion	3 hours
How to sell on Amazon	1. Introduction to Amazon 2. Sign up 3. Branding 4. Buyer's perspective 5. Product development 6. Pre-sale 7. In-sale 8. After-sale 9. Policy 10. Promotion	3 hours

Lecturers

Wing
European regional manager of Hisense International Marketing Department; senior trainer and project leader at Alibaba Ali Institute; operation expert of Alibaba International Business Department; co-founder & general manager of Hangzhou Aiwaipu E-commerce.

Lason
Partner of Hangzhou Geek Trade; partner of Beijing Deep Blue Whale Technologies Co., Ltd.; self-media writer on Alibaba.com; contracted lecturer for Alibaba.com; member of the expert think tank of Alibaba.com.

Victor
Marketing director of BizArk Nanjing; senior tutor on cross-border platforms; off-site marketing expert; external tutor at the College of Science & Technology, Ningbo University. With 5 years of rich experience in Amazon-related training, she delivered more than hundreds of lectures on how to sell on Amazon.

SEMINAR TO FOSTER BRICS PLUS NEW ECONOMY PIONEERS

04

Description

This program aims to help trainees gain a thorough understanding of the "Belt and Road Initiative" and the business environment (political system, economic system, legal system, financial system, tax system, etc.) in BRICS and other EMDCs, foresee market opportunities and risks, explore new business opportunities, and systematically study the theories and practices in terms of strategic planning, business model, capital operation and other aspects in the BRICS and other EMDCs against the macroeconomic landscape, thereby broadening the global horizon of corporate executives and beefing up their capabilities to carry out transnational operations and management. Taking learning and exchanges as the stepping-stone and drawing together diverse resources, this program also aims to build an international platform facilitating both the outbound investment of Chinese companies and the inbound investment of their counterparts in BRICS and other EMDCs.

Participants

Corporate executives of companies interested in pushing into the BRICS and other EMDCs, as well as government officials.



Course Design

Targeting investors from BRICS and other EMDCs, this program has designed four modules geared to the outbound investment of Chinese companies and the inbound investment of their counterparts from BRICS and other EMDCs, i.e., macro policy and business environment, technological advances, outbound investment models, and key aspects in the management of multinational companies.

Lecturing

Online or offline

Duration

16 days

Module 1: Business Environment in Foreign Countries

Description

This module helps trainees comprehend the BRICS mechanism and the "Belt and Road Initiative" and analyze the business opportunities and policies in BRICS countries and those along the "Belt and Road", thereby providing effective intellectual support for investors from BRICS and other EMDCs to learn about the business environment in China.

Course List

This module will last 3 days

Course List

Course	Lecturer	Profile	Duration
[Opening Forum] Harnessing "BRICS Plus" to Facilitate the Outbound Investment of Chinese Companies	Zhu Chongshi, He Wenping, officials from the Office of Xiamen Leadership Group for BRICS PartNIR Innovation Center, enterprise representatives (Lin Xiaofa, Chairman of JOMOO Group)		0.5 day
In-depth Interpretation of the "Belt and Road Initiative"	Zhu Chongshi	Professor and doctoral supervisor at Xiamen University, former president of Xiamen University	0.5 day
Understanding the BRICS Summit: Business Development Opportunities in BRICS Countries	He Wenping	Researcher and doctoral supervisor at the Institute of West-Asian and African Studies, Chinese Academy of Social Sciences; special commentator and current affairs observer for the CRI News Radio and Xinhua News Agency on international issues	1 day
Identification of Business Opportunities in BRICS and other EMDCs (African Union Countries)	Jin Jiafei	Professor and doctoral supervisor at Harbin Institute of Technology, visiting scholar of Saïd Business School, University of Oxford	0.5 day
Basis of Political Cooperation and Development of New Dimensions among the Five BRICS Countries	Xie Surong	Associate professor and supervisor of Master students at the Military Teaching and Research Office of Xiamen University; one of China's first Masters in National Defense Education; Ph.D. in Higher Education; special scholar of Xiamen Lujiang Forum; special guest of the Military Intelligence Global Eye Program of Xiamen Star TV.	0.5 day

Module 2: Cutting-edge Technological Advances

Description

This module helps trainees adapt to the new technological revolution and seize the opportunities amid the industrial revolution, gain a systematic understanding of the new industrial revolution and the highlights of artificial intelligence, and take a deep dive into the problems and countermeasures during the transformation of traditional enterprises. By learning from trailblazing companies in the realm of Internet and intelligent manufacturing, it also aims to help entrepreneurs from BRICS and other EMDCs to apply theories to their practices.

Course List

This module will last 3 days

Course List

Course	Lecturer	Profile	Duration
Industrial Structural Upgrading and Investment	Jin Tao	Director, professor, and doctoral supervisor of the Economic Research Institute, Xiamen University; co-editor-in-chief of China Economic Studies, a national core journal.	1 day
New Industrial Revolution: Problems Arising from the Transformation and Upgrading of Manufacturing Industries in BRIC Countries and the Coping Strategies	Chen Qilin	Ph.D. in Economics, professor at Xiamen University, prestigious industrial economist, and former director of the Economic Research Institute, School of Economics, Xiamen University.	0.5 day
Artificial Intelligence and the New Industrial Revolution in the Era of 5G [Study Tour] Kingtronics Smart Factory: Smart Industry 4.0+	Sun Chuanwang	Professor at Xiamen University; young scholar in the "National Talents Project" of the Ministry of Education.	0.5 day
Industrial Internet Smart Manufacturing Global Service Platform, a stellar example of the integration of informatization and industrialization in Fujian Province.	Cai Shun	Ph.D. in Information Systems at National University of Singapore; professor at the School of Management, Xiamen University; director of the Office of International Cooperation and Exchange and director of the Office of Taiwan, Hong Kong and Macao Affairs, Xiamen University.	0.5 day
[Study Tour] Yama Ribbon & Bows Co., Ltd. (sharing the experience of investing in BRICS and other EMDCs)	Yao Ming	Vice president of Xiamen Federation of Commerce of Chamber; chief executive of Yama Ribbons & Bows Co., Ltd; chairman of Xiamen University Xiamen Alumni Association.	0.5 day

Module 3: Outbound Investment and Expansion

Description

Through the comprehensive analysis of outbound investment cases of Chinese companies, this module helps entrepreneurs from BRICS and other EMDCs gain a thorough understanding of the corporate development logic against the backdrop of globalization in order to improve their ways of thinking, and also helps them master a range of outbound investment methodologies and analysis tools in order to improve their capabilities in making investment decisions. The study tours to exemplary enterprises will also help trainees draw on the successful investment experience and enhance their confidence in investing in BRICS, EMDCs and those along the "Belt and Road".

Course List

This module will last 5 days

Course List

Course	Lecturer	Profile	Duration
Hot Topics on Economic Globalization and the Transnational Development of Companies from BRICS Countries	Lin Jihong	Professor, doctoral supervisor and deputy dean of the Department of International Economics and Trade, Xiamen University; "New Century Excellent Talent in Fujian Province".	0.5 day
Strategies and Business Models for Outbound Investment	Zhuang Ruihao	Visiting professor of PBC School of Finance, Tsinghua University; former president of Kearney Greater China; senior partner of Bain & Company; senior partner of Boston Consulting Group.	2 days
[Roundtable] How can companies from the BRICS countries go global?	Zhuang Ruihao	Visiting professor of PBC School of Finance, Tsinghua University; former president of Kearney Greater China; senior partner of Bain & Company; senior partner of Boston Consulting Group.	0.5 day
[Study Tour] Visit to TBEA, an exemplary state-owned enterprise investing in countries along the "Belt and Road"	Company Profile: TBEA is a trailblazer in the "Belt and Road Initiative". As a backbone enterprise in China's major equipment manufacturing industry, TBEA is committed to promoting the thriving development of China's three major strategic and emerging industries — manufacturing of high-end power transmission and transformation equipment, new energy, and new materials. In parallel with the advancement of China's "Belt and Road Initiative", TBEA is also stepping up its internationalization drive by expanding operations into countries such as Kyrgyzstan, Tanzania, Tajikistan, India, Pakistan, Ethiopia, etc.		1 day
[Study Tour] Visit to HONGSHI, an exemplary private enterprise investing in countries along the "Belt and Road"	Company Profile: Since 2013, apart from the main business of cement manufacturing in China, HONGSHI has actively answered the call of the "Belt and Road Initiative" by building 5 large-sized cement plants in countries along the "Belt and Road", including Indonesia, Laos, Nepal, and Myanmar, with gross investment topping USD 2 billion. HONGSHI is committed to bringing world-class cement manufacturing processes, technologies, equipment and environmental protection and management practices to destination countries, manufacturing cement in a "low-carbon, safe and eco-friendly" manner, and providing high-quality cement shoring up infrastructure construction, and cutting construction costs in destination countries.		1 day

Module 4: Operation and Management of Multinational Companies

Description

This module aims to foster specialists in multinational operations and helps trainees master the skills necessary for running a multinational company and become capable and versatile corporate leaders with international horizons and the capabilities to manage international operations, thereby helping companies from BRICS and other EMDCs successfully enter the Chinese market.

Course List

This module will last 6 days

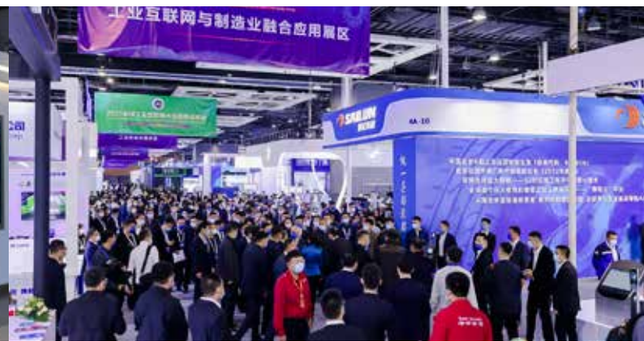
Course List

Course	Lecturer	Profile	Duration
Corporate Investment and Financing Decisions	Wu Chaopeng	Executive deputy dean of the School of Management, Xiamen University; professor and doctoral supervisor of the Finance Department, Xiamen University. He was selected into the Program for New Century Excellent Talents in University of the Ministry of Education.	1 day
Strategic Management: Sharpen the Competitive Edge	Chen Chuang	Professor of Strategy and Innovation at the School of Management, Xiamen University; director of EDP Center, School of Management, Xiamen University; director of Case Research Center, Xiamen University.	1 day
The Industry's Best Strategy for Internationalization: Taking Huawei as an Example	Lan Tao	Huawei's former vice president of International Strategies. He presided over the development strategy and transformation projects (including internationalization) for dozens of large-sized listed companies, private enterprises and government agencies.	1 day
Understanding the Role of Representatives in Foreign Countries	Wang Xiushuai	Vice president of Transformation Technology & Wisdom Co., Ltd.; director of Huawei Latin America Regional Office; and general manager of Huawei Brasil, boasting rich experience in the management of overseas companies.	1 day
Cross-Cultural Communication and Management			0.5 day
International Trade Practices	He Xinming	Senior lecturer (Associate Professor) at Durham University Business School; former lecturer at Newcastle University Business School; associate professor of Economics at Xiamen University.	0.5 day
Analysis of Common Legal Disputes in International Trade	Xiao Wei	Professor at the School of Law, Xiamen University; Doctor of Laws; senior economist.	0.5 day
[Exchange Meeting] BRICS and EMDC Entrepreneurs Sharing Experience of Overseas Investment and Entrepreneurship	Representatives from companies including OGAWA, Double Medical, Yingliang Stone, Kehua Hengsheng, Oba, etc.		0.5 day

BRICS

Chapter 2

INDUSTRIAL INTERNET



01 SEMINAR TO FOSTER BRICS INDUSTRIAL INTERNET TRAILBLAZERS

Description

Building a new Partnership on New Industrial Revolution (PartNIR) has become a consensus among BRICS member states. Whilst technological innovation, digital economy and green economy are likely to become the growth engines across BRICS member states, the industrial Internet is also emerging as a focus of the ever-deepening exchanges and cooperation among BRICS countries. This training program aims to foster a group of top-notch industrial Internet innovators for BRICS member states, thereby providing the much-needed intellectual support for promoting the upgrading of the industrial Internet industry, technological innovation and digital economy transformation across BRICS countries.

Participants

1. Representatives of BRICS government departments.
2. Executives and specialists from BRICS-based companies in need of digital transformation.
3. Researchers from BRICS-based research institutions, universities and think tanks, or international students from BRICS member states.

Lecturing

Online and offline combined

Duration

4 days

Course List

This seminar offers the following courses:

1. Today and Future of Industrial Internet
Background to the emergence of the industrial Internet; global and domestic trends of industrial Internet; interpretation of China's policies on industrial Internet; analysis of the overall situations of China's industrial Internet; prediction of the future trend of the industrial Internet globally.

2. Industrial Internet and Digital Manufacturing
Introduction to digital economy, digital industrialization and industrial digitization; relationship between industrial Internet and digital economy; analysis of the architecture and key technologies of the industrial Internet system; connotations of digital manufacturing; application of industrial Internet in digital manufacturing.

3. Industrial Internet Solutions
Typical application patterns of industrial Internet: platform-based design, intelligent manufacturing, networked collaboration, personalized customization, service extension, and digital management; Typical industrial applications of industrial Internet: industrial parks, industrial clusters, etc.

4. Empowering SMEs with Industrial Internet
Status quo of the digital transformation of SMEs; characteristics of the digital transformation paths of SMEs; the trend of harnessing industrial Internet platforms to empower the development of SMEs; the trend of harnessing 5G+ industrial Internet to empower the development of SMEs; challenges facing the digital transformation of SMEs; breakthroughs for accelerating the digital transformation of SMEs.

5. Prospects for BRICS Cooperation on Industrial Internet
Analysis of the advantages of BRICS member states in developing industrial Internet; analysis of the industrial Internet technologies, standards, products and service channels in BRICS member states; China's explorations of and experience sharing on industrial Internet innovation and industrial digital transformation, as well as the prospects of resource sharing and ecosystem co-building.

SN	Time	Course	Lecturing	Duration
1	Day 1 9:00-12:00	**Opening Ceremony: Address by officials**		3 hours
		Keynote Speech: Today and Future of Industrial Internet Wang Baoyou	Face-to-face lecture	
		Discussion: Implications of the Boom in Industrial Internet	Symposium	
2	Day 1 14:00-17:00	Keynote Speech: Industrial Internet and Digital Manufacturing Huang Wei	Face-to-face lecture	3 hours
3	Day 2 9:00-12:00	Survey: Typical Industrial Applications of Industrial Internet — Industrial Parks, Industrial Clusters, etc.	Visit	3 hours
		Seminar: Implications of the Digital Transformation in the Manufacturing Industry	Symposium	
4	Day 2 14:00-17:00	Survey: Typical Cases and Practices of Industrial Internet and Digital Manufacturing	Symposium	3 hours
5	Day 3 9:00-12:00	Keynote Speech: Cases of Industrial Internet Solutions He Dongdong	Face-to-face lecture	3 hours
6	Day 3 14:00-17:00	Keynote Speech: Empowering SMEs with Industrial Internet Li Shuo	Face-to-face lecture	3 hours
		Discussion: Difficulties and Challenges Facing the Digital Transformation of SMEs; Insight Exchange and Experience Sharing	Symposium	
7	Day 4 9:00-12:00	Keynote Speech: Prospects for BRICS Cooperation on Industrial Internet Departmental officials from the Ministry of Industry and Information Technology	Face-to-face lecture	3 hours
		Closing Ceremony		

Certificate

After the training, China Academy of Industrial Internet will award trainees with a certificate of completion.

Lecturers

Huang Wei is a member of Chinese Academy of Sciences and a foreign member of Russian Academy of Sciences, Asia-Pacific Academy of Materials, ASEAN Academy of Engineering and Technology, Pakistan Academy of Sciences, and International Eurasian Academy of Sciences. He is director of the Academic Committee and deputy director of the School Council of Northwestern Polytechnical University (NPU), and chief scientist of the NPU Institute of Flexible Electronics. He has published more than 900 papers in top journals such as Nature, Science, Nature Electronics, Nature Energy, Research, npj Flexible Electronics, etc., with an h-index of 150 and more than 100,000 citations by international peers. He has been awarded more than 360 invention patents.

Wang Baoyou, Ph.D. and senior engineer, is chief engineer of China Academy of Industrial Internet. His research interests mainly include mechanical manufacturing and automation, standardization of electronic components, and industrial Internet. As an industry expert and standardization expert in electronic components and basic products, he has presided over more than 40 national S&T major projects, basic research projects and key research projects in the capacity of principal investigator. He has edited a number of important standards and published more than 60 papers, of which he is the first author of more than 40 papers.

He Dongdong is co-founder and CEO of Rootcloud Technology Co., Ltd. He led his team to launch ROOTCLOUD, China's first-ever proprietary industrial Internet operating system, and has presided over an array of national-level pilot & demonstration projects relating to process informatization, IoT, intelligent manufacturing, big data cloud platform, etc.

Li Shuo is vice president of Baidu and director of the Industrial Intelligence Laboratory of the Alliance of Industrial Internet (AII), and is currently in charge of the To B Department of Baidu Cloud. As a pioneer in the digital transformation and intelligent upgrading of the industry, he presided over the research and development of an array of technology platforms with strong international influence, including Kaiwu Industrial Internet Platform, Next-generation AI Dialogue Platform, AI+ Fintech Platform, etc.

TRAINING PROGRAM ON THE DIGITAL TRANSFORMATION OF MANUFACTURING ENTERPRISES 02

Description

This training program aims to introduce to the trainees how the industrial Internet provides upward support for promoting industrial software development and system applications, and how it provides downward support for interconnecting the industrial environment and building an industrial ecosystem. By reshaping production patterns, business models and management paradigms and driving the digital transformation of enterprises, the industrial Internet smooths the way for scenario-based applications and ecosystem-oriented development, providing a feasible solution for the digital upgrading of traditional enterprises. This training program will expound on how to harness AEES to comprehensively promote the digital upgrading of varied sectors, as well as the possible approaches to the digital transformation of manufacturing enterprises, in a bid to help build intelligent manufacturing plants and provide feasible solutions to the digital upgrading and transformation of traditional industries in BRICS and other EMDCs.

Participants

Corporate executives from BRICS and other EMDCs who are poised for digital transformation.

Lecturing

Online or offline

Duration

3 hours

Course List

Course	Description	Duration
UMS: Empowering Industrial Parks with Industrial Internet	· Paths of business development · United Management System (UMS) · Strategic layout · Empowering industrial parks with industrial Internet	2 hours
AEES: Agile Execution and Application Sharing	· AEES Digital Agile Execution Model · AEES Agile Execution System Framework · AEES Operation Model	1 hour

Lecturers

Chen Jiancheng, postdoctoral tutor and senior engineer, currently serves as assistant to the president of Xiamen Intretech Inc.; general manager of Linden Tree Investment; expert member of IoT Young Scientist Technical Group of China Institute of Electronics; expert member of China Wearable Computing Innovation & Strategic Alliance; member of Fujian Young Scientists Association; and director of Xiamen High-level Talent Association.

Zheng Xiaoling currently serves as R&D project director of Xiamen UMS Technology Co., Ltd. (an IT service arm of Intretech Group), deputy director of UMS Institute of Intelligent Manufacturing, and deputy director of Intretech UMS Institute. Boasting 10 years of rich experience in software development and management, she has deep expertise in software system integration, innovative development and team management.

TRAINING PROGRAM ON 5G+ INTELLIGENT MANUFACTURING AND INDUSTRIAL INTERNET 03

Description

The fusion of 5G and the industrial Internet will expedite the construction of smart cities, speed up the new round of industrialization worldwide, and inject new momentum into the global economy. While China has made startling strides in the development of 5G+ industrial Internet, we must come to realize that the application of this technology, which is still in its infancy, entails intricate innovations and should be closely combined with the production practices, realities and expertise in relevant industries. In the 5G era, data and AI are beyond doubt the linchpins of next-generation intelligent manufacturing. The industrial Internet platforms will serve as the optimal carriers of massive data and intelligent decision-making. Through this training program, trainees will get a clear picture of the developments and planning of intelligent manufacturing underlain by industrial Internet in China, as well as the key components of and design framework for intelligent factories.

Participants

Industrial and corporate technicians from BRICS and other EMDCs.

Lecturing

Online or offline

Duration

3 days

Course List

Course	Description	Duration
Basics of 5G Technology	·Key technologies for 5G networking ·Low latency of 5G networks ·Commercial value of 5G networks	0.5 day
Background to the Industrial Internet	·Industry 4.0 ·Industrial Internet networks, platforms and security systems ·Network architecture and technology evolution of industrial Internet ·Security framework and standards for the industrial Internet ·Approaches to the evaluation of industrial Internet platforms ·Identifier resolution for the industrial Internet	0.5 day
Intelligent Manufacturing underlain by the Industrial Internet	·Today and future of the global manufacturing industry in the era of Industry 4.0 ·Technical support for and core technologies of the industrial Internet ·Goals of Made in China 2025 and implementation strategy ·The main path of implementing Made in China 2025: Internet+, intelligent manufacturing ·5 key programs and 10 key priorities of Made in China 2025	0.5 day
Overall Framework for and Implementation of Intelligent Manufacturing	·Systematic framework for intelligent manufacturing ·The cornerstone of intelligent manufacturing ·Implementation path of intelligent manufacturing ·Big data, AI intelligence, digital twin, flexible manufacturing	0.5 day
Digitization and System Setup of Smart Factories	·Digital factories ·Lean production and smart manufacturing ·Architecture of the information system for intelligent factories ·CAD, ERP and PLM ·APS & MES ·CPS system ·Industrial automation technologies	0.5 day
Top-level Framework for Intelligent Manufacturing and Its Design	·Why enterprises need top-level design to implement intelligent manufacturing ·Framework for and content of the top-level design of intelligent manufacturing ·Processes and methods of the top-level design of intelligent manufacturing ·The cornerstone of intelligent manufacturing ·Model and roadmap for the "Internet + intelligent manufacturing" transformation and upgrading of manufacturing enterprises	0.5 day

Lecturers

Songlin Sun is professor, doctoral supervisor and dean of the Department of Electronic Information Engineering, School of Information and Communication Engineering, Beijing University of Posts and Telecommunications. He is also a member of the Innovation-driven Development Working Committee of China Institute of Communications, senior member of IEEE, senior member of China Computer Federation (CCF), review expert of the National Natural Science Foundation of China, accreditation expert of China Academic Degrees and Graduate Education Development Center (CDDGC), and expert of the Evaluation Committee of Beijing Aerospace Control Center (BACC).

Zhou Shengzong holds a master's degree from the Institute of Computing Technology, Chinese Academy of Sciences, and a Ph.D. in Computer Science from Saarland University (Saarbrücken, Germany). He used to work for Bad Homburg Professional Application Computer Software GmbH (Germany) and Xuning

Engineering GmbH (Galenkirchen, Germany). In addition to being selected into the "100 Talent Program" of Fujian Province, he is also a researcher at the Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences (CAS-FJIRSM) and director of the Virtual Manufacturing and Simulation Design Research Center of CAS-FJIRSM.

Li Jun is a doctoral researcher at CAS-FJIRSM and visiting professor at Xiamen University. He received a Ph.D. in Cognitive Systems and Computer Science in Germany, where he conducted post-doctoral research and was offered faculty status after graduation. He is currently head of the Robot and Intelligent System Laboratory of Quanzhou Institute of Equipment Manufacturing, and director of the Fujian Robotics Intelligent System Engineering Technology Research Center (directly under Fujian Provincial Department of Science and Technology).

BRICS

Chapter 3

DATA MANAGEMENT

01 SEMINAR TO SHARPEN THE COMPREHENSIVE CAPABILITIES OF BIG DATA PROFESSIONALS

Description

Data and AI are beyond doubt the linchpins of next-generation intelligent manufacturing, and the big data application and processing platforms will serve as the optimal carriers of massive data and intelligent decision-making. This training program will cover topics such as industrial IoT, big data, cloud computing and artificial intelligence and invite experts and scholars with deep expertise in respective fields to give insightful lectures, thereby deepening trainees' understanding of the era of big data and intelligence, enhancing trainees' awareness of application innovation, and helping them prepare for the whole-new digital era.

Participants

Industrial and corporate engineers from BRICS and other EMDCs.

Lecturing

Online or offline

Duration

3 days

Course List

Course	Description	Duration
Big Changes in the Era of Big Data	· Decision-making technique: from goal-driven to data-driven · Approach: from knowledge-based to data-based · Computational intelligence: from complex algorithms to simple algorithms · Data management: from business digitization to digital business · Industrial co-opetition: from strategy-centric to data-centric · Data processing: from small-scale participation to large-scale collaboration	0.5 day
Opportunities and Challenges Facing Big Data Industrial Applications	· Knowledge structure · Competency structure · Quality structure	0.5 day
Internet Big Data and Artificial Intelligence	· Industry 4.0 · Internet big data · Artificial intelligence	0.5 day
Empowering Intelligent Manufacturing with 5G+ Industrial Internet	· 5G+ industrial Internet · Innovative integration of artificial intelligence and manufacturing	0.5 day
Data Security and Applications	· Big Data and Data Security	0.5 day
Latest Applications of Big Data and Artificial Intelligence	· Opportunities and challenges facing industrial applications · Big data applications and security	0.5 day

Lecturers

1. Lin Fan is associate professor and doctoral supervisor at the School of Informatics, Xiamen University, visiting scholar at Harvard University, and a member of the FHIR Clinical Genomics Work Group. His main research interests include artificial intelligence, educational big data, and industrial Internet. He is deputy director of the Digital Fujian Big Data Institute for Higher Education and deputy director of the Fujian Smart Home Engineering Technology Center. He has been awarded honors such as "Xiamen Double Hundreds Talent", "Fujian Software Innovation Talent", "Jiangsu Innovation and Entrepreneurship Talent", etc.

2. Zheng Xianghan is a researcher and graduate tutor. His main research interests include IoT & block chain, cloud computing & big data, cybersecurity, etc. Holding a Ph.D. from the Department of Information and Communication Technology (ICT) of the University of Agder, Norway, he currently serves as deputy dean of the Department of Network Engineering and Information Security, College of Mathematics and Computer Science, Fuzhou University. He is also the leader of the Key Technology Research Group of Cloud Computing Applications at Fuzhou University, and deputy director of the UID IoT Joint R&D Center of Fuzhou University.

3. Huang Qun is a researcher and doctoral supervisor at the School of Computer Science, Peking University. He graduated from the Department of Computer Science and Engineering of the Chinese University of Hong Kong, and later joined the Future Network Theory Lab of Huawei Technologies and then the Institute of Computing Technology of the Chinese Academy of Sciences. He has been selected into the "Hundred Talents Program" of the Chinese Academy of Sciences and the "Star Track Program" of Microsoft Research Asia. His main research interests include distributed systems, computer networks and block chain.

TRAINING PROGRAM TO FOSTER TOP-NOTCH DATA MANAGEMENT SPECIALISTS 02

Episode 1: Information Interconnection across Data Silos

Participants

The era of big data means the processing of massive amounts of complex information. In particular, amid the collection and use of information, due to constraints relating to legislation, product setup, privacy policy, etc., data tend to be fragmented and isolated, and thus cannot be harnessed in a scientific and effective manner, giving rise to data silos and data pollution. Therefore, data governance and applications are increasingly becoming the main focus of more and more enterprises. This training program can help sharpen the data governance capabilities of enterprises and shed light on how to utilize data in an effective way.

Participants

Industrial and corporate engineers from BRICS and other EMDCs.

Lecturing

Online or offline

Duration

3 hours

Course List

Course	Description	Duration
Data Governance and Applications	1.Data management today: data silos 2.Technology Impact Analysis: APPs, data storage, data warehouses, data lakes/data lake-houses, BI tools & analytics 3.The need for metadata management and master data management 4.Impact analysis of redundant and siloed data 5.Case study on data governance 6.Case study on Chief Data Officer 7.Emerging technologies and their impact on data governance: IoT, 5G, machine learning and artificial intelligence	3 hours

Lecturer

Dr. Peter Aiken

Dr. Aiken is associate professor at Virginia Commonwealth University, past president of DAMA International, and associate director of the MIT International Society of Chief Data Officers. As an acknowledged Data Management (DM) authority, he was a data strategy advisor to the White House and founded Data Blueprint to help more than 150 organizations leverage data for profit, improvement, competitive advantage and operational efficiencies. His latest venture is Anything Awesome.

Episode 2: Rediscover Blockchain beyond Digital Currencies

Description

Blockchain boasts merits such as decentralization, tamper resistance, network openness and decision autonomy, and can be applied to extensive fields. Whilst the blockchain has already been elevated to a level of national strategy, more and more leading companies are making early preparations for future blockchain-driven sectors. This training program aims to help trainees rediscover the blockchain technology and explore more application scenarios.

Participants

Industrial and corporate engineers from BRICS and other EMDCs.

Lecturing

Online or offline

Duration

3 hours

Course List

Course	Description	Description
Rediscover Blockchain beyond Digital Currencies	1.Encryption and security 2.Digital signature and security 3.Decentralized finance to protect financial resources 4.Revving up secure financial transactions and speeding up supply chains 5.Distributed ledgers, mining and strategy 6.Smart contracts and product fulfillment 7.Emerging blockchain services: Etherium-Hyperledger, Managed Blockchain, AWS and Oracle Blockchain Services 8.Harnessing blockchain to secure data transfer and machine-to-machine communication	3 hours

Lecturer

Dr. Abhi Pandya

Dr. Pandya is a professor at the Florida Atlantic University (FAU). He serves on the Board of Institute for Certified Computer Professionals, Mahatma Gandhi Medical College and Hospital, India, and Tunisia Tech University. He also serves as advisor for Nirma University (NU), India. During his 38 years of academic career, he has been involved in cross-disciplinary research involving physical sciences, brain science, medical sciences, engineering and computer science.

BRICS

Chapter 4

INTELLIGENT HEALTHCARE

TRAINING PROGRAM ON THE APPLICATION AND DEVELOPMENT OF COMPETENCY MODEL FOR NURSING INFORMATICS 01

Description

In healthcare organizations, nurses make up more than 55% of the healthcare workforce. As the main workers caring for patients, they are expected to be proficient in both nursing skills and informatics. Informatics competencies are also regarded as the skills and abilities necessary for modern clinical nurses to improve the quality of care against the backdrop of healthcare reform. This training program will invite relevant experts to share their insights into the particulars of building up the nursing informatics competencies in hospitals based in BRICS countries.

Participants

Managers and healthcare workers from BRICS and other EMDCs, who are intent on developing nursing informatics competencies.

Lecturing

Online or offline

Duration

1.5 days

Course List

Course	Description	Duration
Hospital Nursing Informatics from the Perspective of Leadership	· Top-level design for hospital nursing information system · Organizational structure and operational model · Height and key opportunities of nursing from the perspective of One Health	0.5 day
Development of Core Nursing Informatics Competencies	· Interpretation of the nursing informatics competency assessment system · Nursing informatics training model · Training on nursing informatics competencies	0.5 day
Project Management Model for Nursing Information System	· Nurse-involved development of information system · Case study of smart nursing in hospitals	0.5 day

Lecturers

Po-lun Chang, Ph.D. and doctoral supervisor, is a member of the International Academy of Health Sciences Informatics, professor at the Institute of Biomedical Informatics of National Yang Ming Chiao Tung University, professor of nursing informatics at Minnesota State University and the University of Maryland, member of the HIMSS TIGER International Task Force, and principal director of the Center of Excellence for Health Informatics Leadership and Innovation.

Chen Yuan, MBA and graduate tutor, is director of the Nursing Department of Xiamen Cardiovascular Hospital affiliated to Xiamen University, a member of the Nursing Group of the Cardiovascular Branch of the Chinese Medical Association, and chairperson of the Cardiovasology Committee of Fujian Nursing Association. She presided over or participated in 15 research projects and published more than 20 articles, and has been awarded 23 national patents and software copyrights.

TRAINING PROGRAM ON THE INTERNATIONAL PROMOTION AND APPLICATION OF SMART CHEST PAIN CENTERS AND IMPROVEMENT OF TREATMENT CAPABILITIES 02

Description

By inviting esteemed experts to give lectures on and share their experience in building smart chest pain centers, this training program aims to promote exchanges and cooperation among BRICS member states on empowering the healthcare industry with digital technology, and is of great significance for furthering the pragmatic cooperation among BRICS member states on digital economy.

Participants

Healthcare professionals from BRICS and other EMDCs, who are poised to build chest pain centers.

Lecturing

Online or offline

Duration

1.5 days

Course List

Course	Description	Duration
A Novel Model for Building Smart Chest Pain Centers for the New Era	· New ideas for building "smart chest pain centers" for the new era · Harness information technology to help develop from chest pain centers to whole-process management of cardiovascular diseases · Exploration of multidisciplinary collaboration in treating severe cardiovascular diseases with the aid of “Cloud + AI” · Digital empowerment to breathe new life into chest pain centers · Building of 5G-based regional vascular disease rescue network	1 day
Expansion of smart chest pain centers	· Experience sharing: City-wide construction of smart chest pain centers in Xiamen	0.5 day

Lecturers

Wang Yan, doctor of medicine at the University of Hong Kong, professor, chief physician and doctoral supervisor, is dean of Xiamen Cardiovascular Hospital affiliated to Xiamen University; FACC, FESC and FSCAI; National Committee Member of the Cardiovascular Disease Division of Chinese Medical Association; deputy head of the Interventional Cardiology Group of the Cardiovascular Disease Division of the Chinese Medical Association; deputy director of the Certification Working Committee of China Chest Pain Center; deputy director of the Chest Pain Committee of the Chinese Medical Doctor Association; director-designate of the Cardiovascular Disease Division of the Cross-Strait Medical Exchange Association; vice director of the Cardiovascular Disease and Hypertension Division of China International Exchange and Promotive Association for Medical and Healthcare; and "Young and Middle-aged Expert with Outstanding Contributions to National Health".

Wu Xijie, chief physician, M.D. and associate professor, is vice dean and director of Cardiovascular Surgery of Xiamen Cardiovascular Hospital affiliated to Xiamen University. He has been awarded honors such as "Xiamen Medical Discipline Pacesetter", "Xiamen Outstanding Young Talent", "High-Caliber Talent Introduced by Xiamen", etc. He is a member of the Minimally Invasive Cardiovascular Surgery Committee of the National Center for Cardiovascular Diseases, and a member of the Youth Committee of the Chinese Society of Organ Transplantation.

Wang Bin, M.D. and chief physician, is associate professor and postgraduate tutor at Xiamen University; director of China Chest Pain Center Regional Certification Center (Xiamen) Branch Office; director of the Emergency Department (Chest Pain Center) of Xiamen Cardiovascular Hospital affiliated to Xiamen University; and a member of the Structure Group of the Cardiovascular Disease Division of the Chinese Medical Association. He has been awarded honors such as the "9th Batch of Top-notch Talent of Xiamen" and "4th Batch of Young Innovative Talent of Xiamen".

BPI

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Chapter 5

SMART POLICE

01 TRAINING PROGRAM ON DIGITAL FORENSICS

Description

This training program aims to help trainees form BRICS countries gain systematic and practical knowledge of digital forensics and enhance their personal competencies, professional skills and comprehensive management capabilities in the sphere of digital forensics. The training program will be followed by assessment tests and competency certification, and employers based in BRICS countries can also assess trainees' skills in digital forensics to optimize the allocation of human resources.

Participants

Employees of law enforcement agencies (defense, internal affairs, intelligence) in BRICS and other EMDCs.

Lecturing

Online or offline

Duration

5 days

Course List

Time		Course	Description
Day 1	Morning	Orientation and Discussion	Assess trainees' capabilities, and divide trainees into different groups and adjust course content based on the assessment results
		Development and Overview of Digital Forensics in China	Introduce trainees to the development of digital forensics in China, the experience gained, the relevant concepts and the investigation subjects of digital forensics.
		New Forensic Technologies	New technologies for digital forensics (AI forensics, IoT forensics, cloud forensics, etc.)
	Afternoon	Workflow of Digital Forensics	Basic workflow and four key principles of digital forensics.
		How to Discover and Extract Data from the Internet, Mobile Phones and Computers	Exemplary cases, basic concepts, investigation subjects, trends and dynamics of digital forensics
Day 2	Morning	On-the-spot Investigation of Electronic Evidence	Basic principles, workflow, investigation methods and relevant precautions for on-the-spot investigation of electronic evidence
		Electronic Evidence Fixation	Hands-on practice of on-the-spot investigation: an 11-floor simulated scene will be provided for trainees (divided into groups) to practice on-the-spot investigation and fixation of electronic evidence
	Afternoon	Remote Investigation of Electronic Evidence	Workflow, tools, methods and relevant precautions for the remote investigation of electronic evidence
		Remote Fixation of Electronic Evidence	Hands-on practice: trainees (divided into groups) practicing remote investigation simulation and evidence fixation
Day 3	Morning	Modular Automated Evidence Acquisition	Overview of electronic evidence acquisition and the application of modular automated evidence acquisition technologies: system traces, user trace analysis, file classification, recycle bin analysis, log analysis, etc.
		File Filtering and File Content Viewing	File filtering: to quickly locate files of interest based on file attributes, such as file name, file time, file size; to quickly preview various documents, pictures and other files; and to master how to create and apply text styles.
		Indexed Search, Deep Search and GREP Syntax	Conventional file content retrieval, in-depth content retrieval (GREP regular expression)
	Afternoon	Computer Forensics Case Study	Hands-on practice
		Exchanges on Computer Forensics	Trainees sharing their learning experience and the cases they encountered while working in their own countries
Day 4	Morning	Overview, Workflow and Basic Methods of Mobile Phone Forensics	Definition, subjects, workflow and precautions of mobile phone forensics
		Android Forensics	Overview, security mechanism, file system and APPs of Android system
	Afternoon	Android Forensics	Hands-on practice
		iOS Forensics	Overview, security mechanism, file system and Apps of iOS system
Day 5	Morning	Behavior Profiling on Mobile Phones	Mobile phone data correlation analysis
		Exchanges on Mobile Phone Forensics	Trainees sharing their learning experience and the cases they encountered while working in their own countries
		UAV Monitoring and Countermeasures	Application of UAV countermeasure technology in China
	Afternoon	Assessment	A 17-floor shooting range will be provided to assess trainees' learning outcomes

Lecturers

Lv Zhen specializes in the provision of vocational and technical training. His research interests include digital forensics and data recovery. He used to take part in the on-the-spot evidence acquisition for criminal cases and has thereby accumulated rich first-hand experience. He has assisted the Ministry of Public Security in organizing foreign-related digital forensics training for trainees from 28 countries, including those along the "Belt and Road", ASEAN and SCO countries, and African countries. He is question setter and lecturer for National Digital Forensics Competition for Market Supervision. He has focused his research on emerging telecom frauds and the existing e-commerce and WeChat business patterns, and also has a certain understanding of economic crimes.

Li Kaijing holds dual bachelor's degrees from Xiamen University and a master's degree in education from Canada. As a trainer at Meiya Pico Training Base, she has long-time experience in teaching classes in English, and is familiar with the latest digital forensics technologies and products at home and abroad. She has assisted the Ministry of Public Security in organizing foreign-related digital forensics training for trainees from 28 countries, including those along the "Belt and Road", ASEAN and SCO countries, and African countries. She is mainly responsible for the development and teaching of English courses on international digital forensics.

TRAINING PROGRAM ON POLICING SKILLS IN EPIDEMIC CONTROL 02

Description

Presently, COVID-19 is still rampaging around the world, and the safety of every country hinges largely on how its epidemic control is done. Through the in-depth analysis of epidemic control cases, this module aims to help trainees get clued up on the workflow of epidemic control and learn how to contain the spread of epidemics, thereby assisting foreign governments and enterprises in enhancing their epidemic control capabilities. All our instructors have rich experience in training and lecturing.

Participants

Government departments (police officers) and enterprises (security guards) from BRICS and other EMDCs.

Lecturing

Online or offline

Duration

2 days

Course List

Course	Description	Duration
Training Camp	· Policing norms and technical guidance (instructed through pre-recorded video in case of outbreak)	8 hours
Guidelines for Epidemic Services	· Personal protection essentials · Workplace protection essentials · Centralized quarantine and medical observation points · Office protection essentials	4 hours
Norms for Setting up Police Checkpoints	· Policing at single-lane one-way checkpoints · Handling of infected persons at police checkpoints · Inspection and seizure of vehicles · Norms for setting up police checkpoints	2 hours
Practice and Reflections	· Massive nucleic acid testing · Community-based epidemic control	2 hours

Lecturers

Led by Professor Li Junfeng, our lecturing team has a total of 9 members, all of whom graduated from Peking University, Xiamen University and Fuzhou University with doctoral degrees and have rich teaching and training experience.

03 TRAINING PROGRAM ON SMART POLICING

Description

Underlain by next-generation information technologies such as the Internet, IoT, cloud computing, intelligent engine, video technology, data mining, and knowledge management, smart policing enables the deep integration and collaborative operation of the functional modules of public security system through interconnection, IoT, visualization and intelligent means, thereby allowing the intensive integration, extensive sharing and in-depth application of policing information. This module aims to help police departments improve community policing and governance.

Participants

Police officers and enterprises (security guards) from BRICS and other EMDCs.

Lecturing

Online or offline

Duration

2 days

Course List

Course	Description	Duration
Analysis and Application of Online Sentiments in the Big Data Context	· The probe into online sentiments helps us trace their origin from multiple perspectives, and sheds light on the entire evolution and development laws of online sentiments from fermentation, outburst to dissemination from the perspectives of the general public, the media and the government.	3 hours
Guidelines for the Management of Physical and Mental Health of Policemen	· Good physical and mental health feeds into the strong fighting spirit of police force in law enforcement and helps policemen effectively cope with the stress of work, not to mention its direct impact on the efficiency of law enforcement.	3 hours
A Probe into Community Policing Tree Issues	· This course is built on Anderson's community policing tree theory, which explains the intricate association between policing functions and the community. The community is not only the main stakeholder in combating crimes, but also the key resource building up the police force. All policing work, including patrol, criminal investigation, and traffic management, is inseparable from the community.	3 hours
Community Policing and Governance	· Using the public governance theory as an analytical tool, this course discusses how to build a community security network & co-governance model led by the government, operated by market players, organized by social entities and participated by varied stakeholders, and probes into community policing in compliance with the logic of "status quo — problems — countermeasures" and through the analysis of exemplary cases.	4 hours
Analysis of Community Policing and Law Enforcement Cases	· Analysis of China's exemplary community policing and law enforcement cases	3 hours

Lecturers

Led by Professor Li Junfeng, our lecturing team has a total of 7 members, all of whom graduated from Peking University, Xiamen University and Fuzhou University with doctoral degrees and have rich teaching and training experience.

BRICS

Chapter 6

GREEN & LIGHTWEIGHT BUILDINGS

01 COLD-FORMED THIN-WALLED STEEL STRUCTURES SOFTWARE USE AND BUILDING CONSTRUCTION

Description

This course guides trainees through varied construction techniques and the use of BuildPro, the far-famed software for designing cold-formed thin-walled steel structures. Through the combination of theory and practice, the course will introduce trainees to the design of light-gauge steel structures for prefabricated buildings and the use of related software, help trainees master the skills in constructing prefabricated steel structures, and improve their design, construction and in-situ management capabilities, thereby shoring up the burgeoning development of the prefabricated construction industry in BRICS and other EMDCs by fostering accomplished professionals and engineers.

Participants

Steel structure designers and engineers from BRICS and other EMDCs; civil engineering students from vocational colleges; enterprises and individuals intent on pushing into the prefabricated steel building industry.

Lecturing

Offline centralized lecturing

Duration

8 days

Course List

Course	Description	Duration
Construction Literacy	· Construction literacy · Construction organization and management	1 day
Construction Processes and Techniques	· Construction processes · Structural explanation	2 days
Hands-on Practice	· Joist assembly · Sample making	2 days
Software Basics	· Basic introduction to the software	1 day
Architectural Model	· How to convert a low-rise building model into steel joists	1 day
Details	· Handling of certain details in structural design	1 day

Lecturers

Na Hongzhi is head of Dahe Lighthouse Fancy Houses Training Center, manager of the Innovation Center of Xiamen Dahezhongbang Construction Engineering Technology Services Co., Ltd., distinguished professor at the Guangdong-Hong Kong-Macao Greater Bay Area Prefabricated Building Technology Training Center of Guangdong Baiyun University, and member of America-China Steel Framing Association. He is familiar with the construction systems of Australia and North America and has rich experience in project management and construction. He has also been awarded dozens of invention patents and utility model patents.

Wu Xinwen is deputy director of Teaching of Dahe Lighthouse Fancy Houses Training Center, and distinguished professor at Guangdong-Hong Kong-Macao Greater Bay Area Prefabricated Building Training Center of Guangdong Baiyun University. He published the book Fundamentals of Prefabricated Cold-Formed Thin-walled Steel Structures in April 2022, and is proficient in a variety of light steel design software and construction practices.

Liu Zhiwen is executive deputy director of Dahe Lighthouse Fancy Houses Training Center and distinguished lecturer at Guangdong-Hong Kong-Macao Greater Bay Area Prefabricated Building Training Center of Guangdong Baiyun University. He has been awarded a number of invention patents and utility model patents.

QUALITY MANAGEMENT OF AND RELATED RESEARCH ON COLD-FORMED THIN-WALLED STEEL BUILDINGS 02

Description

By probing into the exemplary cases of cold-formed thin-walled steel buildings and validating theories through hands-on practice, this training program will help trainees from the light-gauge steel industry get acquainted with the basic concepts of prefabricated buildings, thus shoring up the burgeoning development of the prefabricated construction industry across countries.

Participants

Technicians of light-gauge steel structure manufacturers from BRICS and other EMDCs; civil engineering students from vocational colleges; young entrepreneurs; enterprises and individuals intent on pushing into the prefabricated steel building industry.

Lecturing

Online or offline

Duration

0.5 day

Course List

Course	Description	Duration
Multi-Tier Technical Standards and Related Research	· Research background and ideas · Main technical particulars of the standards · Promotion, application and development	1 hour
Quality Management and Lin'an Practice of Prefabricated Light Steel Structures	· The very first union between policy and market · Pain points of materials and technologies · The secret of light-gauge steel structures · How did the light-gauge steel structure come into existence?	1 hour
Development of Prefabricated Light-gauge Steel Hotels	· Characteristics of classic cases in various countries	1 hour

Lecturers

Shi Yu, Ph.D., is professor, graduate and doctoral tutor at Chongqing University, and is also an expert at Dahezhongbang Innovation Center. In the period from October 2014 to October 2015, he was visiting scholar at the Department of Civil and Environmental Engineering, University of Waterloo (Canada) under the funding of CSC. Up to now, he has presided over more than 10 research projects at the national, provincial and ministerial levels, including 2 projects funded by the National Natural Science Foundation of China. He has published more than 30 papers on cold-formed thin-walled steel structures and participated in the drafting of 4 technical codes.

Sun Haitao, Ph.D. in Structural Engineering, is an expert at Dahezhongbang Innovation Center, professor of civil engineering at Zhejiang Agriculture and Forestry University, and director of the Institute of Prefabricated Steel Structures at Zhejiang Agriculture and Forestry University. His research interests include the application of numerical methods in engineering, prefabricated light-gauge steel structure systems, etc.

Wu Shaofeng, Class-1 Registered Architect, is an expert at Dahezhongbang Innovation Center and a graduate tutor at the School of Architecture of Huaqiao University. He has been awarded the China Young Architect Award, and currently serves as director of the Engineering Practice Base of Huaqiao University. He is also head of the Graduate Station for Construction Industrialization of Huaqiao University, and head of the Graduate Station for Rural Revitalization of Huaqiao University.

BRICS

Chapter 6

VOCATIONAL TRAINING

01 TRAINING PROGRAM TO FOSTER URBAN RAIL TRANSIT OPERATION AND MANAGEMENT SPECIALISTS

Participants

Managerial specialists, front-line station managers and vehicle maintenance technicians from the urban rail transit companies in BRICS and other EMDCs.

Lecturing

Online or offline

Duration

18 days

Course List

Module	Courses	Duration
Operation and Management of Urban Rail Transit and Innovative Thinking	Analysis of Macro Situations and Prospects of Urban Rail Transit Development; Metro Field Management; Large Passenger Transport Hubs and Integrated Transfer; etc.	6 days
Operation and Management of Urban Rail Transit	Urban Rail Transit: Passenger Transport Organization; Urban Rail Transit: Train Operation Organization; Introduction to Urban Rail Transit; etc.	7 days
Technologies Related to Urban Rail Transit Vehicles	Urban Rail Transit: Train Operating and Failure Handling; Urban Rail Transit: Construction of Vehicles; Urban Rail Transit: Emergency Response; etc.	5 days

Lecturers

Lecturers from the Transportation Engineering College (secondary college) of Xiamen City University, as well as executives and senior engineers from subway operators and technology companies that have established university-enterprise partnerships with Xiamen City University.

TRAINING PROGRAM TO FOSTER SMART FISHERY PROFESSIONALS 02

Participants

Entrepreneurs or technicians engaged in fishery production and aquaculture in BRICS and other EMDCs.

Lecturing

Offline centralized lecturing

Duration

40 days

Course List

Course	Duration
Introduction to Commonly Used Aquaculture Equipment	6 days
Water Quality Monitoring and Control Technologies	5 days
Aquaculture	8 days
IoT Technology	3 days
ERP Management System for Aquaculture Enterprises	3 days
Complete Sets of Equipment for Industrialized Recirculating Aquaculture Systems	8 days
Smart Fishery Management System	7 days

Lecturers

Li Biquan

Mr. Li is dean of the Department of Marine Biology, Xiamen Ocean Vocational College; senior examiner for National Vocational Skills Appraisal; distinguished expert of Fujian Fisheries Association; member of the Marine Aquaculture Committee of Fujian Fisheries Society; member of the Biological Feed Committee of the Fujian Feed Research Association. He is mainly engaged in the research on the breeding of commercial marine species, and has presided over 2 provincial and 3 departmental research projects such as the "Artificial Breeding of Callista Chinensis". He is mainly responsible for teaching the course of "Aquaculture".

Wei Maochun

Mr. Wei is associate professor at Xiamen Ocean Vocational College; executive director of the Intelligent Fishery Branch of CFA; chief scientist of Da Bei Nong Group. His main research interests focus on smart fishery big data public service platform, fishery automation equipment, and smart fishery management system. He is mainly responsible for teaching courses such as "Introduction to Commonly Used Aquaculture Equipment", "Complete Sets of Equipment for Industrialized Recirculating Aquaculture Systems", "ERP Management System for Aquaculture Enterprises", and "Smart Fishery Management System".

INTELLIGENT MANUFACTURING: TRAINING PROGRAM ON ADDITIVE MANUFACTURING 03

Participants

Employees of China-based companies from BRICS and other EMDCs, who have certain experience in mechanical processing.

Lecturing

Offline centralized lecturing

Duration

40 days

Course List

Course	Duration
3D Digital Modeling	7 days
3D Scanning and Product Inspection	5 days
Product Reverse Engineering	5 days
Principle of 3D Printing and Equipment Maintenance	3 days
3D Print Data Processing	7 days
Light Curing SLA Process Planning and Processing	5 days
Metal SLM Process Planning and Processing	5 days
Post-Processing Techniques	3 days

Lecturers

Su Yangfan

Senior lecturer, senior technician, and pacesetter in the "3D Printing" discipline. She is mainly responsible for teaching courses such as "3D Print Data Processing and Process Planning", "Mechanical Design" and "Prototyping".

You Nuanyuan

Lecturer, advanced skilled worker, and backbone teacher for the major of "3D Printing Application". She is mainly responsible for teaching courses such as "3D Solid Modeling", "Reverse Engineering", "Modeling Design" and "3D Printing Training".

TRAINING PROGRAM ON INDUSTRIAL ROBOTS AND INTELLIGENT MANUFACTURING 04

Participants

Employees of China-based companies from BRICS and other EMDCs, who have certain experience in computer operation and programming.

Lecturing

Offline centralized lecturing

Duration

40 days

Course List

Course	Duration
Offline Programming and Simulation of Industrial Robots	8 days
Field Programming of Industrial Robots	8 days
3D Modeling of Industrial Robots	8 days
Virtual Disassembly and Assembly of Industrial Robots	8 days
Smart Factory Data Acquisition and Monitoring Control System	8 days

Lecturers

The College of Information and Smart Electromechanical Engineering of Xiamen Huaxia University has a 23-member team of industrial robot lecturers and engineers for school-enterprise cooperation, more than 80% of which are double-qualified teachers. The team consists of one provincial-level prominent teacher, 2 recipients of Special Government Allowance of the State Council, 5 municipal-level excellent teachers, 13 teachers with deputy senior professional titles or above, 3 Ph.D. holders, 2 FANUC certified lecturers, and 15 evaluators with various vocational qualification certificates.

TRAINING PROGRAM ON MOBILE COMMUNICATION (5G) TECHNOLOGIES 05

Participants

Employees of China-based companies from BRICS and other EMDCs, who have certain experience in using computer and programming.

Lecturing

Offline centralized lecturing

Duration

36 days

Course List

Course	Duration
LTE and 5G Mobile Communication Technologies	7 days
Virtual Simulation of IUV Mobile Communication Technologies	8 days
LTE and 5G Network Planning and Optimization	8 days
Transmission Network Technology for Mobile Communication	7 days
Optical Access Technology and Applications	6 days

Lecturers

The College of Information and Smart Electromechanical Engineering of Xiamen Huaxia University has a professional team of communication engineers and lecturers dedicated to school-enterprise cooperation. Currently, there are 19 lecturers/engineers, including 4 lecturers with senior professional titles, 7 with deputy senior professional titles, 8 with intermediate professional titles, 11 holding deputy senior or above professional positions, 4 Ph.D. holders and 10 master's degree holders.

TRAINING PROGRAM TO FOSTER ICT ENGINEERS 06

Participants

Employees of China-based companies from BRICS and other EMDCs, who have certain experience in computer network and are engaged in computer network technology, network engineering, electronic engineering and other related sectors.

Lecturing

Offline centralized lecturing

Duration

30 days

Course List

Through training, trainees can obtain Huawei's HCIA-Routing & Switching Certification.

Module	Courses	Duration
Module 1: Data Communication Technologies	Basics of ICT Industry; Basics of Data Communication; Basics of Ethernet Switching; Basics of IP Routing; Basics of Routing Protocol; Basics of Cyber Security and Network Access Technologies; Wide Area Network; IPv6 Basics.	10 days
Module 2: Network Management Technologies	Basics of Network Management; Routing Control Technologies; Simple Network Management; Firewall Security Management; Cloud Computing Management.	10 days
Module 3: Enterprise Network Architecture	Networking of Typical Campus Networks; Networking of Typical Wireless Networks; Networking of Typical Data Centers	10 days

Lecturers

Chen Jianzhang

Mr. Chen is director of Xiamen ICT Engineer Base and project manager for enterprise network, and is well-informed about the operation and maintenance of large-sized networks. As security engineer, he is also familiar with the implementation and deployment of various security application equipment. He is mainly responsible for teaching Cisco and Huawei network assistant and network professional certification training courses, as well as courses on Huawei security and cloud computing systems.

Wu Yongqin

Mr. Wu is manager for networking education and a Cisco Certified Internetwork Expert (CCIE). He was the instructor of the champion team at the 5th C4-Network Technology Challenge and is invited lecturer of many schools. He has deep expertise in the products and solutions of Huawei, Cisco, Ruijie, Sangfor, NSFOCUS, 360, etc.

HANDS-ON PROGRAM TO BUILD HAIR STYLISTS FROM SCRATCH 07

Participants

Beginners or semi-skilled hair stylists from BRICS and other EMDCs.

Lecturing

Online or offline

Duration

12 days

Course List

Course	Duration	Course	Duration
All Preparations to Become a Hair Stylist	1 day	How to Draw Professional Hair Design Sketches	1 day
Understanding the Professional Image of Hair Stylists	1 day	Standardized Haircutting Techniques	1 day
Three-Dimensional Components of Hairstyle	1 day	Inner Structures of Hairstyles and Cutting Techniques	1 day
Cutting Planes of Hairstyles	1 day	Analysis of Textured Hairstyles	1 day
Understanding the Angle of Cutting Edge	1 day	Men's Hair Styling and Cutting	1 day
Understanding Point and the Angle of Hair Piece	1 day	Standardized Assessment	1 day

Lecturers

Cai Yizhuo is board chairman of OBA Group; delegate of the 16th Xiamen Municipal People's Congress; president of Xiamen Hairdressing and Cosmetics Industry Association; and vice president of China Hairdressing and Beauty Association. He has participated in the world's top hairdressing events such as FELLOW SHIP (London, UK) and SALON LOOK (Spain) as guest performer and hairdressing instructor for many times, and has spearheaded the organization of the World Hairdressing Congress (WHC) in China for 13 consecutive years, which has attracted high-caliber hairdressers from all over the world to exchange ideas and hone their skills in China.

Rao Bangfei is chief principal of MIZI Hairdressing Academy of OBA Group; executive director of the Board of MIZI International Hairdressers Training School; director of China Association of Business Professionals; chief producer of performance works at the World Hairdressing Congress; guest performer for Asia Venue at SALON INTERNATIONAL; guest performer at SALON LOOK (Madrid, Spain); and special guest stylist at Xiamen International Fashion Week (XMIFW).

Wu Fuming is principal of the Xiamen Campus of MIZI Hairdressing Academy. He served as principal of Guangzhou MIZI Hairdresser Training School from 2006 to 2008, and was visiting hairstylist at TONI&GUY Headquarters in London, UK. He is guest performer for Asia Venue at SALON INTERNATIONAL; guest performer at SALON LOOK (Madrid, Spain); certified senior hairdresser of China; and a member of the Expert Committee of Xiamen Hairdressing and Cosmetics Industry Association.

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