第十四届 FCPAE 欧洲论坛
未来智能技术与应用分论坛

FCPAE Europe Forum
Future Intelligent Technology Sub-Forum

FCPAE

论坛日程
Forum Program

比利时 布鲁塞尔 / 线上同步

Brussels, Belgium

2023 年 10 月 20-21 日　October 20-21, 2023

》 大会简介

第十四届 FCPAE 欧洲论坛-未来智能技术与应用分论坛

　　10月20日-21日，以"面向未来，聚势共赢"为主题的《第十四届FCPAE-欧洲论坛》将在比利时布鲁塞尔举行。本次论坛/研讨会将特别以中国企业在欧洲，欧洲企业在中国的实践，成长和发展为牵引，汇聚中欧双方的科研工作者和企业家，围绕：绿色发展、创新创业、生命科学前沿、深空探索、未来智能技术与应用、智能物流通等分论坛开展深入讨论，会议期间将举行项目路演，欧洲华人十大科技领军人才评选、地方人才政策宣讲活动，打造中欧科技工作者合作和交流的平台。

　　会议议程将包括主题演讲、口头报告、海报展示和圆桌讨论等形式。与会的顶尖企业家、科学家们将分享他们的最新产品和相关领域的研究成果，并探讨当前各个分论坛领域的挑战与机遇。此外，会议还将设立专题展览和研究论坛，供参会者与同行交流与合作。作为参会者，您将有机会与国际知名学者、行业领导者以及其他研究人员建立联系，并拓展您的人脉网络。会议还将提供展示您的企业和研究成果的机会，以便获得同行的宝贵反馈。望您在百忙之中莅临第十四届FCPAE欧洲论坛-未来智能技术与应用分论坛！

» Introduction

FCPAE Europe Forum - Future intelligent technology Sub-forum

14th FCPAE European Forum will be held at the Crowne Plaza Hotel in Brussels and CBTC in Louvain-la-Neuve, Belgium on October 20-21, 2023.

The 14th FCPAE European Forum theme is "Looking Ahead and Working Together Win-Win." This forum will gather the experts of Chinese companies in Europe and European companies in China, with growth and development as the driving force, and will bring together scientific researchers and entrepreneurs from both sides and focus on Green development, Innovation entrepreneurship, Frontiers of life sciences, Deep space exploration, Future intelligent technology, and Intelligent logistics six sub-forums, the Forum will carry out in-depth discussions.

The Forum provides a unique opportunity for cooperation and exchanges between Chinese and European scholars and entrepreneurs. Special activities such as project roadmaps and the selection of the top ten European Outstanding Chinese Leaders in Business, Science, and Technology. The Forum will include keynote speeches, oral presentations, poster presentations, and roundtable discussions. The participating top entrepreneurs and scientists will share their latest products and research results in related fields and discuss each sub-forums current challenges and opportunity. In addition, the conference will also set up special exhibitions and sub-forums for participants to communicate and cooperate with their counterparts. As a conference attendee, you can connect with internationally renowned academics, industry leaders, and other researchers and expand your network. The conference will also provide an opportunity to showcase your business and research in order to gain valuable feedback from attendees. We hereby invite you to attend the 14th FCPAE European Forum - Future intelligent technology Sub-forum.

第十四届 FCPAE 欧洲论坛

未来智能技术与应用分论坛 Session A

暨第五届人工智能与先进制造国际会议

(AIAM2023)

2023年10月20-21日

布鲁塞尔皇冠假日酒店，达芬奇大道 4 号，布鲁塞尔

October 20-21, 2023

Crowne Plaza，Da Vincilaan 4, 1831 Brussel, Belgium

⟫ 大会简介

第十四届 FCPAE 欧洲论坛暨第五届人工智能与先进制造国际会议

　　由全欧华人专业协会联合会(FCPAE)、海外华人科创联盟主办，湖州师范学院、旅比华人专业人士协会(ACPB)、亚太人工智能学会(AAIA)、中国人工智能学会(CAAI)联合承办的第十四届FCPAE欧洲论坛未来智能技术与应用分论坛暨第五届人工智能与先进制造国际会议(AIAM2023)将于2023年10月20-21日在比利时布鲁塞尔召开。AIAM国际学术会议是全欧华人专业协会联合会"FCPAE欧洲论坛"的学术分会，大会以"人工智能与先进制造技术"为主题，旨在为全世界从事数字化、智能化、绿色化设计、制造、应用的专家、学者及专业技术人员提供一个交流最新研究成果的平台，并进一步推动全球在人工智能与先进制造领域的发展。

Conference Introduction

FCPAE Europe Forum & 5th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM2023)

FCPAE Europe Forum & 5th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM2023) will be held on October 20-21, 2023 in Brussels, Belgium.

FCPAE Europe Forum was founded by AICF and ASICEF in 2009. Since then, it has been successfully held for 13 times in Paris (2009), Copenhagen (2010), Brussels (2011), Vienna (2012), The Hague (2013), Frankfurt (2014), Brussels (2015), Hillerød (2016), Paris (2017), Helsinki (2018), Dublin (2019), Shanghai (2021) and Hamburg (2022) respectively. It has attracted thousands of participants and become a platform with great influence in Chinese and European government, enterprises, scientific research institutions.

As an academic branch of FCPAE Europe Forum, AIAM2023 aims to bring together researchers and scientists from artificial intelligence and advanced manufacture, researchers from various application areas to discuss problems and solutions in the area, to identify new issues, and to shape future directions for research. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

组织机构

第十四届 FCPAE 欧洲论坛暨第五届人工智能与先进制造国际会议

主办单位

全欧华人专业协会联合会（FCPAE)

海外华人科创联盟

承办单位

湖州师范学院

旅比华人专业人士协会(ACPB)

亚太人工智能学会(AAIA)

中国人工智能学会(CAAI)

协办单位

德国智能城市交通协会

成都信息工程大学

西安财经大学

浙江理工大学

宁波财经学院

大会主席

周盛宗教授，全欧华人专业协会联合会

联席主席

戴琼海，中国工程院院士，清华大学教授

郭毅可，英国皇家工程院院士、帝国理工大学教授

▶▶ 组织机构

第十四届 FCPAE 欧洲论坛暨第五届人工智能与先进制造国际会议

张建伟，德国国家工程科学院院士、汉堡大学教授

吕智涵，瑞典乌普萨拉大学教授

学术委员会成员（排名不分先后）

何积丰，中国科学院院士，华东师范大学终身教授

傅晓明，欧洲科学院院士、德国哥廷根大学

宋梁，加拿大国家工程院院士、复旦大学

徐泽水，欧洲科学院院士、四川大学

孙富春，清华大学

马楠，北京工业大学

林晓，上海师范大学

Xun Zhang，法国巴黎高等电子学院、巴黎萨克雷大学

Gian Luca Brunetti，意大利米兰理工大学

陈晓东，中国科学院上海高等研究院

胡文军，湖州师范学院

黄旭，湖州学院

李俊，中国科学院海西研究院

林海翔，荷兰代尔夫特大学

卢基存，光华临港工程应用技术研发有限公司

Md Abdus Samad KAMAL，日本群马大学

》》 组织机构

第十四届 FCPAE 欧洲论坛暨第五届人工智能与先进制造国际会议

Mohamed Arezki Mellal，美国马里兰大学

庞成鑫，海外华人科创联盟

商慧亮，复旦大学

苏代忠，英国诺丁汉特伦特大学

汪镭，同济大学

王文峰，中国科学院、上海临港国际人工智能产业研究院

王泽峰，湖州师范学院

徐立鸿，同济大学

叶菲，中国科学院、复旦大学

葉國暉，台湾国立东华大学

曾新华，复旦大学

张煜东，英国莱斯特大学

周华，复旦大学

Hamid Doost Mohammadian，德国 FHM 应用科技大学

董黎刚，浙江工商大学

Gautam Srivastava，加拿大布兰登大学

Gyu Myoung Lee，英国利物浦约翰摩尔大学

Jasmine Kah Phooi SENG，西交利物浦大学

Simon X. Yang，加拿大圭尔夫大学

❯❯ 组织机构

第十四届 FCPAE 欧洲论坛暨第五届人工智能与先进制造国际会议

组织委员会主席

蒋林华教授，海外华人科创联盟、全欧华人专业协会联合会

组织委员会成员(排名不分先后)

邢镔，全欧华人专业协会联合会

李强，中国留德学者计算机学会

龙伟，湖州师范学院

余治昊，上海理工大学

张冠华，复旦大学

裴颂文，上海理工大学

王泽峰，湖州师范学院

张永，湖州师范学院

李重，湖州师范学院

祁亨年，湖州师范学院

尹飞，宁波大学

于长斌，山东第一医科大学医学

葉維彰，台湾国立清华大学

出版主席

何泾沙教授，北京工业大学

第十四届 FCPAE 欧洲论坛暨第五届人工智能与先进制造国际会议

Organization

FCPAE Europe Forum & 5th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM2023)

Organizers

Federation of Chinese Professional Associations in Europe (FCPAE)

Overseas Chinese Science and Technology Innovation Alliance

In Association With

Huzhou University

Association Chinese Professionals in Belgium (ACPB)

Asia-Pacific Artificial Intelligence Association (AAIA)

Chinese Association for Artificial Intelligence (CAAI)

Sponsors

Intelligent Urban Transportation Society of Germany

Chengdu University of Information Technology

Xi'an University of Finance and Economics

Zhejiang Sci-Tech University

Ningbo University of Finance & Economics

General Chair

Shengzong Zhou, Federation of Chinese Professional Associations in Europe

Co-Chairs

Qionghai Dai, Chinese Academy of Engineering, Tsinghua University, China

Yike Guo, Imperial College London, UK

Jianwei Zhang, National Academy of Engineering Sciences (acatech), Universität Hamburg, Germany

Zhihan Lv, Uppsala University, Sweden

Academic Committee Members

Chengxin Pang, Overseas Chinese Science and Technology Innovation Alliance

Daizhong Su, Nottingham Trent University, UK

Fei Ye, Chinese Academy of Sciences, Fudan University, China

Organization

FCPAE Europe Forum & 5th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM2023)

Fuchun Sun, Tsinghua University, China

Gautam Srivastava, Brandon University, Canada

Gian Luca Brunetti, Polytechnic University of Milan, Italy

Gyu Myoung Lee, Liverpool John Moores University, UK

Guohui Ye, National Dong Hwa University, Taiwan, China

Hamid Doost Mohammadian, FHM University of Applied Sciences, Germany

Haixiang Lin, Technische Universiteit Delft, Netherlands

Hua Zhou, Fudan University, China

Hubin Wang, Zhejiang Ocean University, China

Huiliang Shang, Fudan University, China

Jasmine Kah Phooi SENG, Xi'an Jiaotong-Liverpool University, China

Jicun Lu, Guanghua Lingang Engineering Applied Technology R & D Co., Ltd, China

Jifeng He, Chinese Academy of Sciences, East China Normal University, China

Jun Li, Chinese Academy of Sciences, China

Lei Wang, Professor, Tongji University, China

Liang Song, Fudan University, China

Ligang Dong, Zhejiang Gongshang University, China

Lihong Xu, Tongji University, China

Md Abdus Samad KAMAL, Gunma University, Japan

Mohamed Arezki Mellal, University of Maryland, USA

Nan Ma, Beijing University of Technology, China

Simon X. Yang, University of Guelph, Canada

Wenfeng Wang, Chinese Academy of Sciences & Shanghai Lingang Artificial Intelligence Laboratory, China

Wenjun Hu, Huzhou University, China

Organization

FCPAE Europe Forum & 5th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM2023)

Xiaodong Chen, Shanghai Advanced Research Institute, Chinese Academy of Sciences, China

Xiao Lin, Shanghai Normal University

Xiaoming Fu, University of Göttingen, Germany

Xinhua Zeng, Fudan University, China

Xu Huang, Huzhou University, China

Xun Zhang, Institut supérieur d'électronique de Paris (ISEP), Paris-Saclay University, France

Yudong Zhang, University of Leicester, UK

Zefeng Wang, Huzhou University, China

Zeshui Xu, Academia Europaea, UK; Sichuan University, China

Organizing Committee Chair

Linhua Jiang, Overseas Chinese Science and Technology Innovation Alliance, Federation of Chinese Professional Associations in Europe

Organizing Committee Members

Bin Xing, Federation of Chinese Professional Associations in Europe

Fei Yin, Ningbo University, China

Guanhua Zhang, Fudan University, China

Hengnian Qi, Huzhou University, China

Qiang Li, Association of Chinese Computer Scientists in Germany

Songwen Pei, University of Shanghai for Science and Technology, China

Wei-Chang Yeh, Taiwan Tsinghua University, China

Wei Long, Huzhou University, China

Yong Zhang, Huzhou University, China

Zefeng Wang, Huzhou University, China

Zhihao Yu, University of Shanghai for Science and Technology, China

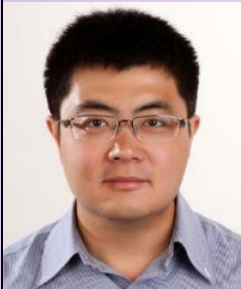第十四届 FCPAE 欧洲论坛暨第五届人工智能与先进制造国际会议

Zhong Li, Huzhou University, China

Changbin Yu, Shandong First Medical University, China

Publication Chair

Jingsha He, Beijing University of Technology, China

会议日程

第十四届 FCPAE 欧洲论坛暨第五届人工智能与先进制造国际会议

时间	2023 年 10 月 20 日（欧洲布鲁塞尔时区 UTC+02:00）
地点	布鲁塞尔皇冠假日酒店，达芬奇大道 4 号，布鲁塞尔
2023 年 10 月 19 日	15:00-17:00 会议签到
2023 年 10 月 20 日上午	09:30-12:30 论坛全体会议
2023 年 10 月 20 日下午	**未来智能技术与应用 Session A** 开幕式：领导致辞（主持人：蒋林华教授，全欧华人专业协会联合会） 14:00-14:05 何积丰院士 致辞，中国科学院院士、华东师范大学终身教授 **14:05 报告一：沈寓实教授** 清华大学海峡研究院智能网络计算实验室主任，格鲁吉亚科学院院士 报告题目：待定 沈寓实博士，中国云体系产业创新战略联盟秘书长，国家"千人计划"特聘专家，北京市"海聚工程"特聘专家，中关村高端领军人才，国家"千人计划"、"万人计划"评审专家，"中国改革开放海归 40 年 100 人"入选者。拥有中国清华大学电子工程学士学位，美国加州大学圣迭戈分校（Univ. of CA，San Diego）电子计算机硕士和博士学位，美国华盛顿大学（Univ. of WA）工商管理学硕士学位。在 ICT 领域将近 20 年的科研、研发和管理经验，网络空间战略专家，云计算、大数据、网络安全、视频编解码和无线通信领域国际专家，跨国公司高管，国际华人和科技社团领袖，在中美政产学研各界均有深厚渊源，长期致力于推进网络空间基础核心技术的自主创新，并构建中美科技、商务和文化的广泛合作。他著有 6 部中英文专著，在国际期刊发表论文数十篇，多次参与和主持相关领域的国际会议并做主题发言，是电子和计算机工程领域十几个 SCI 收录的专业期刊或会议的专业论文评审员。 **14:30 报告二：张煜东教授** 英国莱斯特大学 报告题目：Artificial Intelligence for Medical Image Analysis

张煜东教授现任英国莱斯特大学计算与数学科学学院首席教授。他是 IET，EAI 和 BCS 的院士，也是 IEEE、IES 和 ACM 的高级会员。他也是是美国计算机协会的杰出演讲者。2014 - 2018 年，他被爱思唯尔(Elsevier)列入"中国被引最多的研究人员(计算机科学)"。他是 2019 年、2021 年和 2022 年科睿唯安（Clarivate）的高引用率研究员。入选斯坦福大学 2020 年至 2022 年世界顶尖 2%科学家。获 Information Fusion2022 年度最佳论文奖等。他的三篇论文入选 Research Excellence Framework (REF) 2021。他在以下期刊（共同）撰写了 400 多篇同行评审文章：Ann Oncol, JACC, JAMA Psychiatry, IJIM, Inf Fus, IEEE TFS, IEEE TII, IEEE TIP, IEEE TMI, IEEE IoTJ, Neural Networks, IEEE TITS, Pattern Recognition, IEEE TGRS, IEEE JBHI, IEEE TCSVT, IEEE TETCI, IEEE TCSS, IEEE JSTARS, IEEE TNSRE, IEEE SJ, ACM TKDD, ACM TOMM, IEEE/ACM TCBB, IEEE TCAS-II, IEEE JTEHM, ACM TMIS。共发表 ESI 高被引论文 60 余篇，ESI 热点论文 5 篇，在 Google Scholar 中的引用达到 24192 次（h 指数 86）。他是《Neural Networks》、《IEEE TITS》、《IEEE TCSVT》等期刊的主编。他主持了许多成功的工业项目，并获得了 NIH、皇家学会、GCRF、EPSRC、MRC、BBSRC、Hope、英国文化协会、Fight for Sight 和国家自然科学基金委员会的学术资助。他曾在国际会议、大学和公司做过 120 多次特邀演讲。他曾担任 60 多个国际会议和研讨会(包括 20 多个 IEEE 或 ACM 会议)的(联合)主席。他的研究成果被 50 多家新闻媒体报道，如路透社，英国光比公司，电讯报，物理世界，英国今日新闻，EurekAlert!科学新闻，印度时报，验光师协会(AOP)新闻，医学快报等。

14:55 报告三：陈勇教授
巴黎高等师范学院
报告题目：待定

陈勇教授现任职于巴黎高等师范学院,担任法国科学研究中心一级主任研究员和法国高等师范学院微流体研究小组组长。曾任日本京都大学物质与细胞综合研究所兼职教授、北京大学长江讲座教授、香港理工大学特聘讲座教授、江汉大学客座教授。陈勇教授在半导体光学、量子结构、量子微腔、光子晶体、近场光子成像、纳米磁学、同步回旋辐射 X 光光刻、纳米压印、微纳器件等多个领域中有一定的研究经验，目前的研究方向为微流控技术、生物检测及再生医学。曾参与多项欧盟研究计划及法、中、日等国的研究项目，发表 SCI 论文近 500 余篇，被引用 2 万余次，H 因子为 74。已指导 50 多名博士及博士后的研究工作。

15:20 报告四：Simon X. Yang 教授
加拿大圭尔夫大学
报告题目：Bio-inspired Intelligence with Application to Robotic Systems

Simon X. Yang(IEEE 高级会员)，1987 年获北京大学工程物理学学士学位，1990 年获中国科学院生物物理学硕士学位，1996 年获美国休斯敦大学电子工程硕士学位，1999 年获加拿大艾伯塔省埃德蒙顿大学电子与计算机工程博士学位。他目前是加拿大圭尔夫大学的教授和先进机器人与智能系统实验室主任。他在专业活动中非常活跃。他的研究兴趣包括机器人、智能系统、传感器和多传感器融合、无线传感器网络、控制系统、机器学习、模糊系统和计算神经科学。

15:45 报告五：Dimitrios A. Karras 教授
希腊雅典大学
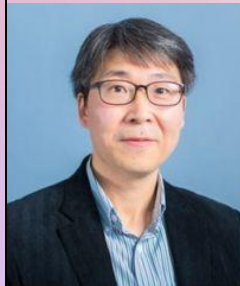报告题目：**State of the art, trends and challenges in AI algorithms and systems applied to manufacturing**

Dimitrios A.Karras 博士于 1995 年在希腊雅典国立技术大学获得电气工程博士学位（荣誉）。目前，Dimitrios A.Karras 博士是希腊雅典大学数据与人工智能科学系教授。他在大学和研究机构工作超过 25 年，在智能与分布式/多智能体系统、模式识别、图像/信号处理及神经网络领域的国际期刊上发表了 70 多篇论文，在相关领域的会议上发表了 180 多篇论文。他曾在多个国际会议上担任主席/技术委员会主席，并在多本国际期刊上担任编委。他的研究论文被引用 2500 多次，全球研究人员中被引用量前 10%。

16:10 报告六：GYU MYOUNG LEE 教授
英国利物浦约翰摩尔斯大学，韩国科学技术院 IT 融合研究所
报告题目：待定

GYU MYOUNG LEE (IEEE 资深会员)于 1999 年在韩国首尔弘益大学获得学士学位，并于 2000 年和 2007 年在韩国大田韩国科学技术院(KAIST)获得硕士和博士学位。他从 2014 年起在英国利物浦约翰摩尔斯大学(LJMU)担任读者，从 2012 年起在韩国科学技术院(KAIST Institute for IT convergence)担任兼职教授。在加入 LJMU 之前，他从 2008 年开始在法国巴黎电信矿业电信研究所工作。直到 2012 年，他被邀请到韩国电子和电信研究所(ETRI)工作。他还曾在韩国科学技术院(KAIST)担任研究教授，并于 2007 年在美国国家标准技术研究院(NIST)担任客座研究员。主要研究方向为物联网、未来网络、多媒体服务、智能电网等节能技术。他一直积极参与 ITU-T、IETF、oneM2M 等标准化工作。在 ITU-T，他目前担任第 13 研究组工作组主席、Q16/13 和 Q4/20 报告员以及 FG-DPM 主席。

16:35 报告七：Gian Luca Brunetti 教授
意大利米兰理工大学
报告题目：**Investigating the role of green matter into the built environment and buildings**

Gian Luca Brunetti 于 1991 年毕业于米兰理工大学建筑专业，1995 年荣获米兰理工大学博士学位研究奖学金，1999 年 4 月通过关于建筑热过渡空间的博士学位论文答辩。1998 年曾在米兰理工大学建筑环境与科学系 ABITA 实验室担任研究生技术员，2006 年成为米兰理工大学建筑与社会学院的研究员，2016 年开始担任米兰理工大学建筑技术副教授一职，主要研究领域为建筑设计，建筑优化，元建模，设计方法，生物气候设计。

17:00 报告八：Gautam Srivastava 副教授
加拿大布兰登大学
报告题目：待定

Gautam Srivastava(IEEE 高级会员)于 2014 年加入加拿大布兰登大学，担任终身教授，目前活跃在各种专业和学术活动中。他还活跃于密码学、数据挖掘、安全和隐私以及区块链技术领域的研究。五年来，在多个国家的高影响会议和高地位期刊(SCI、SCIE)上发表论文 400 余篇，并在全球多所大学就大数据、云计算、物联网、密码学等领域发表客座演讲。他是多个 SCI/SCIE 期刊的编辑。他与台湾、新加坡、加拿大、捷克共和国、波兰和美国的其他学者进行了积极的研究项目他的 h 指数为 50，这对于一个职业生涯早期的研究人员来说是很高的。

17:25 报告九：Md Abdus Samad KAMAL 副教授
日本群马大学科学技术研究院
报告题目：Cyber-physical Control of the Next Generation Road Transportation Systems
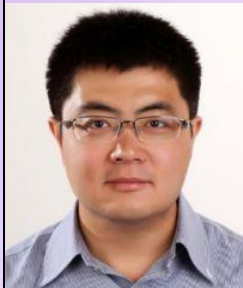
Md Abdus Samad KAMAL 分别于 2003 年和 2006 年获得日本九州大学电气与电子系统工程系的硕士学位和博士学位。博士毕业后在日本九州大学电气与电子系统工程系担任研究员。 从 2019 年开始，他开始在日本群马大学科学技术研究院机械科学与技术系担任副教授。他还是英国 IET 的特许工程师，工程技术学院(IET)、电气与电子工程师协会(IEEE)会员。此外，他还担任多本国际期刊的编辑、客座编辑，并应邀在多个学术会议上发表了主题演讲。

17:50 闭幕式

Program

FCPAE Europe Forum & 5th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM2023)

Date	October 20, 2023 (Europe Brussels Time Zone UTC+02:00)
Location	Crowne Plaza, Da Vincilaan 4, 1831 Brussel, Belgium
October 19, 2023	15:00-17:00 Registration
October 20, 2023	9:30 -12:30 Forum Plenary Session
	Future Intelligent Technology - Session A
	Welcome Ceremony (Host: Prof. Linhua Jiang, Vice Secretary General, FCPAE)
	14:00-14:05 **Jifeng He, Chinese Academy of Sciences, East China Normal University, China**
	14:05 Speaker 1: Yushi Shen **Academician, National Academy of Sciences of Georgia.** **Speech Title: To be determined** Dr. Yushi Shen, Director of Intelligent Network Computing Laboratory of Tsinghua University, Secretary General of China Cloud System Industry Innovation Strategic Alliance, special expert of national "Thousand Talents Plan", special expert of Beijing "Sea Cluster Project", high-end leading talents of Zhongguancun, national "Thousand talents Plan" and "Ten thousand people Plan" review expert. Dr. Shen received his B.S. degree in electrical engineering from the Tsinghua University, Beijing, P. R. China, and Ph.D. degree in electrical and computer engineering, from the Univ. of California at San Diego (UCSD), La Jolla, and MBA degree from the Univ. of Washington (UW), Seattle. In June 2023, Dr. Shen was elected as a foreign academician of the National Academy of Sciences of Georgia. He has nearly 20 years of research, development and management experience in the field of ICT. He is also an expert in cyberspace strategy, an internationally recognized expert in cloud computing, big data, cybersecurity, video codec and wireless communications, and has published five books and more than two dozen research papers. He has served as a reviewer, associate editor, and chair/member of technical project committees for numerous international conferences and core journals. He is the recipient of various awards and recognitions and has leadership experience in several influential international and local organizations.
	14:30 Speaker 2: Yu-Dong Zhang **Professor, University of Leicester, UK.** **Speech Title: Artificial Intelligence for Medical Image Analysis**

Prof. Yudong Zhang serves as a Chair Professor at the School of Computing and Mathematical Sciences, University of Leicester, UK. He is the Fellow of IET, Fellow of EAI, and Fellow of BCS. He is the Senior Member of IEEE, IES, and ACM. He is the Distinguished Speaker of ACM. He was included in Most Cited Chinese Researchers (Computer Science) by Elsevier from 2014 to 2018. He was 2019, 2021 & 2022 recipient of Clarivate Highly Cited Researcher. He is included in World's Top 2% Scientist by Stanford University from 2020 to 2022. He won Information Fusion 2022 Best Paper Award, etc. His three papers are included in Research Excellence Framework (REF) 2021.

He has (co)authored over 400 peer-reviewed articles in the journals: Ann Oncol, JACC, JAMA Psychiatry, IJIM, Inf Fus, IEEE TFS, IEEE TII, IEEE TIP, IEEE TMI, IEEE IoTJ, Neural Networks, IEEE TITS, Pattern Recognition, IEEE TGRS, IEEE JBHI, IEEE TCSVT, IEEE TETCI, IEEE TCSS, IEEE JSTARS, IEEE TNSRE, IEEE SJ, ACM TKDD, ACM TOMM, IEEE/ACM TCBB, IEEE TCAS-II, IEEE JTEHM, ACM TMIS, etc. There are more than 60 ESI Highly Cited Papers and 5 ESI Hot Papers in his (co)authored publications.

His citation reached 24192 in Google Scholar (h-index 86). He is the editor of Neural Networks, IEEE TITS, IEEE TCSVT, etc. He has conducted many successful industrial projects and academic grants from NIH, Royal Society, GCRF, EPSRC, MRC, BBSRC, Hope, British Council, Fight for Sight, and NSFC. He has given over 120 invited talks at international conferences, universities, and companies. He has served as (Co-)Chair for more than 60 international conferences and workshops (including more than 20 IEEE or ACM conferences). His research outputs have been reported by more than 50 news press, such as Reuters, BBC, Telegraph, Physics World, UK Today News, EurekAlert! Science News, India Times, Association of Optometrists (AOP) news, Medical Xpress, etc.

14:55 Speaker 3: Yong Chen
Professor, École normale supérieure, ENS, France.
Speech Title: To be determined

Yong Chen serves as Professor at Ecole Normale Supérieure (ENS) and he is now Directeur de Recherche (1st class) of CNRS and head of the ENS team for microfluidics. In the past, he also served as Adjunct Professor at the Institute for Integrated Cell-Material Sciences (iCeMS) of Kyoto University, Changjiang Chair Professor of Peking University, Distinguished Chair Professor of Hong Kong Polytechnic University and Guest professor of Jianghan University.

He has been worked in different fields, including semiconductor quantum heterostructures, photonic crystals, scanning near field optical microscopy, magnetic nanostructures, synchrotron-based X-ray lithography, thermal and UV nanoimprint lithography, microfluidics, etc. His current interests are mainly in the field of biomedical research and applications such as cancer diagnosis and stem cell devices for in-vitro modeling of cardiac, neural and alveolar systems.He has contributed to more than 500 scientific publications (peer-reviewed journals, book chapters and proceeding articles) and a large number of European and national research projects/networks. He is member of several international or national committees and reviewer of a number of journals. In total, he has supervised more than 50 Ph.D and post-doc studies.

15:20 Speaker 4: Simon X. Yang

Professor, University of Guelph, Canada.

Speech Title: Bio-inspired Intelligence with Application to Robotic Systems

Simon X. Yang (Senior Member, IEEE) received the B.Sc. degree in engineering physics from Beijing University, Beijing, China, in 1987, the M.Sc. degree in biophysics from the Chinese Academy of Sciences, Beijing, in 1990, the M.Sc. degree in electrical engineering from the University of Houston, Houston, TX, USA, in 1996, and the Ph.D. degree in electrical and computer engineering from the University of Alberta, Edmonton, AB, Canada, in 1999.,He is currently a Professor and the Head of the Advanced Robotics and Intelligent Systems Laboratory, University of Guelph, Guelph, ON, Canada. He has been very active in professional activities. His research interests include robotics, intelligent systems, sensors and multisensor fusion, wireless sensor networks, control systems, machine learning, fuzzy systems, and computational neuroscience.

15:45 Speaker 5: Dimitrios A. Karras

Professor, National and Kapodistrian University of Athens, Greece.

Speech Title: State of the art, trends and challenges in AI algorithms and systems applied to manufacturing

Dr. Dimitrios A. Karras received the Diploma and M.Sc. degrees in electrical and electronic engineering and the Ph.D. degree (with honors) in electrical engineering from the National Technical University of Athens, Athens, Greece, in 1985 and 1995, respectively. Currently, Dr. Dimitrios A. Karras is a professor in Data and AI Science, Digital and autonomous Intelligent Systems with the National & Kapodistrian University of Athens, Greece, as well as adjunct Prof. Dr. with the GLA University, Mathura, India and EPOKA & CIT universities, Computer Engineering, Tirana. He has served in universities and research institutes for more than 25 years and published more than 75 refereed journal papers and more than 185 research papers in International refereed Conferences in the fields of intelligent and distributed/multi-agent systems, pattern recognition, image/signal processing and neural networks. He has served as program/general chair at several international conferences and, moreover as editor at several international journals in the fields of signal, image, communication and automation systems. He has been cited in more than 2500 research papers, being in the highest 10% of worldwide researchers.

16:10 Speaker 6: GYU MYOUNG LEE

Professor, Liverpool John Moores University (LJMU), United Kingdom; Adjunct Professor, KAIST Institute for IT Convergence, Korea.

Speech Title: To be determined

GYU MYOUNG LEE (Senior Member, IEEE) received the BS degree from the Hong Ik University, Seoul, South Korea, in 1999, and the MS and PhD degrees from the Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea, in 2000 and 2007. He is with the Liverpool John Moores University (LJMU), United Kingdom, as reader from 2014 and with KAIST Institute for IT convergence, Korea, as adjunct professor from 2012. Prior to joining the LJMU, he

has worked with the Institut Mines-Telecom, Telecom SudParis, France, from 2008. Until 2012, he had been invited to work with the Electronics and Telecommunications Research Institute (ETRI), Korea. He also worked as a research professor with KAIST, Korea and as a guest researcher with the National Institute of Standards and Technology (NIST), in 2007. His research interests include Internet of things, future networks, multimedia services, and energy saving technologies including smart grids. He has been actively working for standardization in ITU-T, IETF, and oneM2M, etc. In ITU-T, he currently serves as a WP chair in SG13, the Rapporteur of Q16/13 and Q4/20 as well as the chair of FG-DPM.

16:35 Speaker 7: Gian Luca Brunetti
Professor, the Polytechnic of Milan, Italy.
Speech Title: Investigating the role of green matter into the built environment and buildings

Gian Luca Brunetti graduated in Architecture at the Polytechnic University of Milan in 1991. From 1992 to 1995 he worked as an architectural designer in the architectural workshop of Marcello Pietrantoni in Milan. In 1995 he obtained a scholarship for a PhD research at the Polytechnic University of Milan. He defended his PhD thesis on thermal transition spaces in Architecture in April 1999 (supervisor: Prof. Bianca Bottero). In 1998 he became a graduate technician at the ABITA Laboratory, Polytechnic University of Milan, Department of Building, Environment and Sciences (BEST, now ABC). In 2006 he became a researcher of Architectural Technology at the Polytechnic University of Milan, Faculty of Architecture and Society. Since 2016 he is associate professor of Architectural Technology at the Polytechnic of Milan. In 2020 he has been habilitated to the full professorship in Italy, in the disciplinary sector of Building Technology.

17:00 Speaker 8: Gautam Srivastava
Associate Professor, Brandon University, Canada.
Speech Title: To be determined

Gautam Srivastava (Senior Member, IEEE) received the B.Sc. degree from Briar Cliff University, USA, in 2004, and the M.Sc. and Ph.D. degrees from the University of Victoria, Victoria, BC, Canada, in 2006 and 2012, respectively. He taught for three years with the Department of Computer Science, University of Victoria, where he was regarded as one of the top undergraduate professors in computer science. In 2014, he will be joining a tenuretrack position with Brandon University, Brandon, MB, Canada, where he is currently active in various professional and scholarly activities. He was promoted to the rank of Associate Professor in January 2018. He is also active in research in the field of cryptography, data mining, security and privacy, and blockchain technology. In his five years as research academic, he has published a total of 400 papers in high-impact conferences in many countries and high-status journals (SCI, SCIE) and has also delivered guest lectures on big data, cloud computing, the Internet of Things (IoT), and cryptography at many universities worldwide. He is an Editor of several SCI/SCIE journals (IEEE Transactions on Computational Social Systems, Information Sciences, AEJ, and ISA Transactions). He has active research projects with other academics in Taiwan, Singapore, Canada, Czech Republic,

Poland, and the USA. He has an H-index of 50 which is strong for an early career researcher. He is currently a Guest Editor for IEEE Transactions on Fuzzy Systems and IEEE Transactions on Industrial Informatics. His research is funded by federal grants from the Natural Sciences and Engineering Research Council of Canada (NSERC) and the Mathematics of Information Technology and Complex Systems (MITACS).

17:25 Speaker 9: Md Abdus Samad KAMAL
Associate Professor, Gunma University, Japan.
Speech Title: Cyber-physical Control of the Next Generation Road Transportation Systems

Md Abdus Samad KAMAL got his master and doctor degrees from Dept. of Electrical and Electronics Systems Engineering, Kyushu University, Japan in 2003 and 2006 respectively. And then he served as a researcher in Department of Electrical and Electronics Systems Engineering, Kyushu University, Japan. From 2019, he starts working in Division of Mechanical Science and Technology, Graduate School of Science and Technology, Gunma University, Japan as an associate professor. Now, he is a member of Chartered Engineer (C.Eng.), IET, UK, the Institution of Engineering and Technology (IET) and Institute of Electrical and Electronics Engineers (IEEE). In addition, he undertakes editors, gust editors for international journals, and has delivered keynote speeches for more than 15 conferences.

17:50 Closing Ceremony

第十四届 FCPAE 欧洲论坛
未来智能技术与应用分论坛 Session B
暨第二届临床医学与智能器械国际会议
(CMID2023)

2023年10月20-21日

布鲁塞尔皇冠假日酒店，达芬奇大道 4 号，布鲁塞尔

October 20-21, 2023

Crowne Plaza，Da Vincilaan 4, 1831 Brussel, Belgium

》 大会简介

第十四届 FCPAE 欧洲论坛暨第二届临床医学与智能器械国际会议

　　由中法健康医学科技协会和海外华人科创联盟联合主办，美国植物药协会、湖州师范学院、北京中医药大学中医传承与数字化研究中心共同承办的第二届临床医学与智能器械国际会议（CMID2023）将于2023年10月20-21日在比利时布鲁塞尔召开。

　　本届会议也得到中国旅法生物医学会、中国留德医学学会、中瑞生命科学协会、中国科促会卫生健康科技工作委员会等的共同支持。

　　会议旨在为来自全球医疗健康、生命科技、临床医学、智能器械等领域的专家、学者、业界代表提供一个高水平的学习和交流平台，共同探讨相关领域的前沿问题，以推动生、医、工、信等多学科交叉融合与产业高质量发展，进一步推动生命科技与临床医学、智能器械的融合发展，促进产学研合作的国际化。

第十四届 FCPAE 欧洲论坛暨第二届临床医学与智能器械国际会议

Conference Introduction

FCPAE Europe Forum & 2023 International Conference on Clinical Medicine and Intelligent Devices (CMID2023)

2023 International Conference on Clinical Medicine and Intelligent Devices (CMID2023) will be held in Brussels, Belgium during October 20-21, 2023.

This conference is organized by Association Sino-Francaise pour la Recherche et le Development sur les Aliments Sains and Overseas Chinese Science and Technology Innovation Alliance, in association with American Society of Plant Biologists (ASPB), Huzhou University, and Research Center of Traditional Chinese Medicine Inheritance and Digitalization, Beijing University of Chinese Medicine.

In addition, It has got jointly support from Association des Médecins et des Biologistes Chinois en France, Chinese Medical Association in Germany, Sweden China Life Science Association, Health Science and Technology Working Committee of China International Association for Promotion of Science and Technology (CIAPST).

CMID2023 is expected to provide an opportunity for scholars, researchers, and leading experts to meet and discuss the frontier issues in the field of clinical medicine and intelligent devices, thus to promote the cross and integration and high-quality development of the industry.

组织机构

第十四届 FCPAE 欧洲论坛暨第二届临床医学与智能器械国际会议

主办单位

中法健康医学科技协会

海外华人科创联盟

承办单位

美国植物药协会

湖州师范学院

北京中医药大学中医传承与数字化研究中心

合作单位

中国旅法生物医学会

中国留德医学学会

中瑞生命科学协会

中国科促会卫生健康科技工作委员会

大会主席

韩忠朝教授，法国国家技术科学院院士，法国国家医学科学院外籍通讯院士，国家干细胞工程技术研究中心主任。

联席主席

Lau Bee Theng，澳大利亚斯威本科技大学砂拉越校区教授

组织委员会主席

叶世欣，法国巴黎萨克雷大学博导教授，法国健康与医学研究院（INSERM）终身研究员

组织机构

第十四届 FCPAE 欧洲论坛暨第二届临床医学与智能器械国际会议

学术委员会（排名不分先后）

牛海晶，北京师范大学认知神经科学与学习国家重点实验室教授

钱秋谨，北京大学第六医院教授

秦绍正，北京师范大学认知神经科学与学习国家重点实验室教授

宋志坚，复旦大学数字医学研究中心教授、主任

孙晓龙，西安交通大学教授

他得安，复旦大学生物医学工程技术研究所教授、副所长

姚旭峰，上海健康医学院医学影像学院教授、副院长

叶非，中国旅法生物医学会会长

于江，中瑞生命科学协会会长

周捷，中国留德医学学会会长

Alessandro Parodi, Sechenov University, Russia

Akram Alefbae, Ardabil University of Medical Sciences, Iran

Anand Nayyar, Duy Tan University, Viet Nam

Andrea Kwa Lay Hoon, Singapore General Hospital; Duke-NUS Medical School, Singapore

Pietro Morasso, Italian Institute of Technology, Genoa, Italy

Heng Li, Department of Radiation Oncology and Molecular Sciences, Johns

组织机构

第十四届 FCPAE 欧洲论坛暨第二届临床医学与智能器械国际会议

Hopkins University School of Medicine, USA

Jorge Galindo-Villegas, Nord University, Norway

Mario Allegra, University of Palermo, Italy

Xiaobo Mao, Institute for Cell Engineering, Johns Hopkins University School of Medicine, USA

Patricio Yankilevich, Biomedicine Research Institute of Buenos Aires (IBioBA), CONICET - Partner Institute of the Max Planck Society, Argentina

Wolfgang Orthuber, Department of Orthodontics, UKSH Kiel University, Germany

Murtaza Hasan, Department of Biotechnology, The Islamia University Bahawalpur, Pakistan

Bright E. Igere, Western Delta University Oghara, Nigeria

Michael J. McPhaul, University of Texas Southwestern Medical Center, USA

Nanda Gopal Sahoo, Kumaun University, India

Sebastian Beyer, the Chinese University of Hong Kong, China

Shyam Lal, National Institute of Technology Karnataka, Surathkal, India

De'an Ta, Academy for Biomedical Engineering Technology, Fudan University, China

Dilip Kumar Pratihar, Indian Institute of Technology Kharagpur, India

Yahya Absalan, University of Ferdowsi, Iran

组织机构

第十四届 FCPAE 欧洲论坛暨第二届临床医学与智能器械国际会议

组织委员会(排名不分先后)

楼建林，湖州师范学院

李晓欧，上海健康医学院

戴惠芳，复旦大学药学院

王泽峰，湖州师范学院

瞿正伟，法国传统中医药协会

于长斌，山东第一医科大学

闫聪，北京中医药大学

蒋林华，海外华人科创联盟

Organization

FCPAE Europe Forum & 2023 International Conference on Clinical Medicine and Intelligent Devices (CMID2023)

Organizers

Association Sino-Francaise pour la Recherche et le Developpement sur les Aliments Sains

Overseas Chinese Science and Technology Innovation Alliance

In Association With

American Society of Plant Biologists (ASPB)

Huzhou University

Asia-Pacific Artificial Intelligence Association (AAIA)

Research Center of Traditional Chinese Medicine Inheritance and Digitalization,

Beijing University of Chinese Medicine

Sponsors

Association des Médecins et des Biologistes Chinois en France

Chinese Medical Association in Germany

Sweden China Life Science Association

Health Science and Technology Working Committee of

China International Association for Promotion of Science and Technology (CIAPST)

General Chair

Zhongchao Han, Professor, Chinese Academy of Medical Sciences & Peking Union Medical College, China

Co-Chair

Lau Bee Theng, Professor, Swinburne University of Technology Sarawak Campus, Malaysia.

Organizing Committee Chair

Shixin Ye-Lehmann, INSERM Tenured Researcher, University Paris-Saclay, PhD supervisor (HDR).

Organization

FCPAE Europe Forum & 2023 International Conference on Clinical Medicine and Intelligent Devices (CMID2023)

Academic Committee Members

Alessandro Parodi, Sechenov University, Russia

Amit Mahesh Joshi, Malaviya National Institute of Technology, India

Anand Nayyar, Duy Tan University, Viet Nam

Andrea Kwa Lay Hoon, Singapore General Hospital; Duke-NUS Medical School, Singapore

Fei Ye, Association des Médecins et des Biologistes Chinois en France, France

Jie Zhou, Chinese Medical Association in Germany, Germany

Jiang Yu, Sweden China Life Science Association, Sweden

Jorge Galindo-Villegas, Nord University, Norway

Xufeng Yao, Shanghai University of Medicine & Health Sciences, China

Qiujin Qian, Peking University Sixth Hospital, China

Shaozheng Qin, State Key Laboratory of Cognitive Neuroscience and Learning, Beijing Normal University, China

Shyam Lal, National Institute of Technology Karnataka, Surathkal, India

Simon X. Yang, University of Guelph，Canada

Haijing Niu, State Key Laboratory of Cognitive Neuroscience and Learning, Beijing Normal University, China

Zhijian Song, Digital Medicine Research Center, Fudan University, China

De'an Ta, Academy for Biomedical Engineering Technology, Fudan University, China

Dilip Kumar Pratihar, Indian Institute of Technology Kharagpur, India

Xiaolong Sun, Xi'an Jiaotong University, China

Mario Allegra, University of Palermo, Italy

Michael J. McPhaul, University of Texas Southwestern Medical Center, USA

Pietro Morasso, Italian Institute of Technology, Genoa, Italy

Organization

FCPAE Europe Forum & 2023 International Conference on Clinical Medicine and Intelligent Devices (CMID2023)

Heng Li, Department of Radiation Oncology and Molecular Sciences, Johns Hopkins University School of Medicine, USA

Xiaobo Mao, Institute for Cell Engineering, Johns Hopkins University School of Medicine, USA

Patricio Yankilevich, Biomedicine Research Institute of Buenos Aires (IBioBA), CONICET - Partner Institute of the Max Planck Society, Argentina

Wolfgang Orthuber, UKSH University Hospital Schleswig-Holstein, Kiel University, Germany

Murtaza Hasan, The Islamia University Bahawalpur, Pakistan

Nanda Gopal Sahoo, Kumaun University, India

Sebastian Beyer, the Chinese University of Hong Kong, China

Akram Alefbae, Ardabil University of Medical Sciences, Iran

Bright E. Igere, Western Delta University Oghara, Nigeria

CHAIMAE TAOUSSI, Sultan Moulay Slimane University, Morocco

Yahya Absalan, University of Ferdowsi, Iran

Vijay Bhaskar Semwal, Maulana Azad National Institute of Technology (MANIT), India

Organizing Committee Members

Jianlin Lou, Huzhou University, China

Xiao'ou Li, Shanghai University of Medicine & Health Sciences, China

Huifang Dai, Fudan University, China

Zefeng Wang, Huzhou University, China

Zhengwei Qu, French Association of Traditional Chinese Medicine

Changbin Yu, Shandong First Medical University & Shandong Academy of Medical Sciences, China

Cong Yan, Beijing University of Chinese Medicine, China

Linhua Jiang, Overseas Chinese Science and Technology Innovation Alliance

第十四届 FCPAE 欧洲论坛暨第五届人工智能与先进制造国际会议

时间	2023 年 10 月 20（欧洲布鲁塞尔时区 UTC+02：00）
地点	布鲁塞尔皇冠假日酒店，达芬奇大道 4 号，布鲁塞尔
2023 年 10 月 19 日	15：00-17：00 会议签到
2023 年 10 月 20 日上午	09：30-12：30 论坛全体会议
2023 年 10 月 20 日下午	**未来智能技术与应用专题- Session B**
	开幕式：领导致辞（主持人 叶世欣教授，法国巴黎萨克雷大学博导教授，法国健康与医学研究院（INSERM）终身研究员）
	14:00-14:05 大会致辞
	14:05 报告一：叶世欣教授 法国巴黎萨克雷大学，法国健康与医学研究院（INSERM） 报告题目：**A survey of COVID-19 neutralizing antibodies: what do we learn from the SARS-CoV2 spike protein and antibodies interaction?** 叶世欣教授曾于 2004-2009 年间，在美国纽约洛克菲勒大学从事博士后研究工作，并于 2011 年获得法国国家医学科学院终身研究员，负责巴黎萨克雷大学(University of Paris-Saclay)医学部的合成生物学实验室，以及比赛特医院(Bicetre Hospital)脑神经与疾病研究所。常年从事创新光遗传学工具，研究神经受体(GPCR、离子通道 NMDA 受体、磷酸激酶受体 TrkA、膜转运蛋白 LAT)的药物机理，为麻醉机理、抑郁症、老年痴呆、癫痫等神经疾病的治疗做出了重要贡献。2016-2019 年，在法国索邦大学计算和定量生物学研究部建立了研究团队，利用病毒作为载体在斑马鱼及哺乳动物小鼠中首次实现高效拓展遗传密码的可行性。在 Nature、Nature Chemical Biology、PNAS、Nature Communications 等期刊发表论文 50 余篇，为 Nature Neuroscience, Neuron, ChemBioChem, JACS, Bioconjugation Chemistry 等期刊审稿专家。
	14:30 报告二：A. C. Matin 教授 美国斯坦福大学医学院 报告题目：**Nanomaterial-mediated systemically administered m-RNA-based gene therapy directed exclusively to cancer, present successes and future prospects** A. C. Matin 教授是斯坦福大学医学院微生物学和免疫学教授。他出生于美国，1969 年在加州大学洛杉矶分校获得微生物学博士学位。他有大约 55 年的教学经验。他是许多微生物和免疫学学会和协会的活跃成员。1964-1971 年，他获得富布赖特学者奖。他发表了 142 篇论文，并获得了一些专利。在他的教学和教育生涯中，他参加了许多科学会议。他的研究工作得到了一家知名机构的资

助。主要研究方向为免疫学、微生物学、癌症、遗传学等。目前，他正在从事外泌体(EV)项目和抗生素工作的延伸。

14:55 报告三：Michael Schumacher 教授
法国巴黎萨克雷大学，法国健康与医学研究院（INSERM）
报告题目：待定

Michael Schumacher 是法国健康与医学研究院(INSERM)的高级研究主任。自 1998 年以来，他一直领导 INSERM 的一个研究小组，旨在开发神经保护和神经再生疗法。他的实验室专注于研究神经类固醇的合成、代谢和作用，特别是它们在大脑抵抗损伤和髓磷脂再生中的作用。他拥有比利时列日大学生物科学博士学位。1991 年加入 Etienne-Emile Baulieu 博士实验室，任生物化学助理教授。之后，他在 Bruce McEwen 博士(纽约洛克菲勒大学)实验室担任博士后。他还曾在巴黎萨克雷大学生物学信号和集成网络博士学院院长职位上工作了 10 年。

15:20 报告四：张勇民院士
法国国家药学科学院

张勇民，法国国家药学科学院院士，法国国家科学研究中心（CNRS）一级主任研究员，法国索邦大学（原巴黎第六大学）博士生导师，全法中国科技工作者协会副理事长。1986 年 7 月毕业于巴黎第 11 大学药学院，获药物化学法国国家博士学位。目前张勇民致力于抗肿瘤药物、治疗糖尿病药物、抗病毒药物等的科学研究。在学术期刊上发表论文 280 余篇，其中 SCI 收录论文 250 余篇。在国际学术会议上受邀做报告 30 多次，口头汇报和墙报介绍 150 多次。在法国、中国、美国等国家高校和研究院所做学术报告 130 余次。获发明专利 4 项，主持和参与法国、中国、国际合作等项目 30 余项，培养博士生、博士后 40 余名。现任 European Journal of Medicinal Chemistry, Current Medicinal Chemistry，Chinese Chemical Letters 等国际学术期刊编委，担任 20 多个国际学术期刊的审稿人。

15:45 报告五：张维宏教授
比利时布鲁塞尔自由大学
报告题目：待定

张维宏教授，现为比利时布鲁塞尔自由大学公共卫生学院教授、博士生导师，比利时根特大学国际生殖健康中心项目高级协调员、教授，欧盟 2020 地平线（Horizon 2020）评审专家，中国国家卫生计生委科学技术研究所、上海同济大学医学院、广东中医药大学兼职教授，第四届国务院侨办海外专家咨询委员会委员（2014-2017），以第一作者或通讯作者身份在《英国医学杂志》、《英国妇产科杂志》、《国际环境与卫生杂志》等国际高水平学术杂志发表论文 40 余篇，担任多个国际权威学术杂志的审稿人及副主编。

16:10 报告六：段茂利教授
瑞典卡罗林斯卡学院
报告题目：待定

段茂利博士是瑞典卡罗林斯卡大学医院高级顾问，瑞典卡罗林斯卡学院副教授。他还在其他国家的 6 所大学担任教授和客座教授。他是耳鼻喉科、头颈科、神经科和听力学的临床专家。主要研究方向为干细胞和基因治疗、噪声与药物性听力损失及其保护与治疗。他的临床研究主要集中在耳科和神经科。在《自然医学》、《美国国家科学院院刊》等国际期刊上发表论文 100 余篇。他的研究成果曾刊登在 PNAS、瑞典医生杂志、诺贝尔学术研讨会的封面和《Cummings Otolaryngology Head & Neck》(第四版)教科书上。担任 30 余名硕士、博士和博士后的导师。

16: 35 报告七：杨宏钧博士
中国生物工程学会精准医学专业委员会的创始人、共同主任
报告题目：待定

杨博士是国际公认的生物技术和生物医药领域杰出的科研和技术管理精英领导人才。他具有多学科的知识背景，他有近 30 年跨界的研发、临床、合规、运营、商务等方面的管理工作经验。杨博士是多个生物技术领域的开拓者，在生物芯片和微流体芯片，人类基因 HapMap 计划，人类基因表达谱数据库，生物样品库，新一代基因测序，抗肿瘤药物，小核酸干扰，精准医学和伴随诊断，燃料由池等方面都做出显著成就，是典型的多学科交叉跨界的、知识广博经验丰富的、重结果重产品重合规重实践的优秀科学家。

17:00 报告八：曾宪奕教授
法国国立高等纺织工程师学院
报告题目：待定

法国里尔大学自动化博士，法国国立高等纺织工程师学院特级教授，法国纺织材料与工程国家重点实验室主任，IEEE Senior Member，法国共和国骑士勋章（教育类）获得者。兼任法国北方自动化学会人机交互分会主席，IJCIS 智能计算国际期刊副主编，TBIS 纺织生物工程和计算系统国际期刊以及 FLME 模糊逻辑和工程建模国际期刊的编委。是南开大学、苏州大学、东华大学和西南交通大学的特聘教授，中国多个项目的海外评审委员，以及中国卓越工程师项目主讲。曾获 2021 年度法中委员会研发创新特等奖等一系列学术荣誉奖项。曾宪奕教授长期从事工业智能制造的相关研究，自 2000 年以来，主持和参与了 1 项欧盟 Asia-Link 合作研究项目，5 项法国国家级科研项目(PRTH, ANR, FUI)，20 余项企业资助的科研项目。先后在国际专业 SCI 期刊上发表 70 余篇论文，在国际会议上发表大约 100 余篇论文，并出版编辑了两部专著。

17:25 报告九：Valérie Dutoit
瑞士日内瓦大学医院肿瘤科生物库平台负责人，瑞士日内瓦大学讲师。
报告题目：待定

Valérie Dutoit 博士是一名肿瘤免疫学家，专门从事 GBM 免疫治疗方法的开发。她于 2003 年获得洛桑大学博士学位。她参与了一种针对 GBM 的新型多肽疫苗的开发，该疫苗在患者中进行了测试，并引领了针对 GBM 患者的个性化疫苗试验的发展。她还致力于了解免疫疗法如何与标准护理相结合，以及 GBM TME 对抗肿瘤免疫反应的影响。她目前正在与 UNIGE 的 Migliorini 教授团队一起致力于 GBM 患者的 CAR - T 细胞的开发。Dutoit 博士是日内瓦大学医院肿瘤科生物样本库平台的负责人，负责从参与临床试验和研究项目的患者身上收集样本。

17:50 报告十：Yvette AKWA 博士
法国巴黎萨克雷大学，法国健康与医学研究院（INSERM）高级研究员。
报告题目：待定

Yvette AKWA 在神经类固醇领域工作了 20 多年，对其在大脑中的生物合成和代谢及其对行为的有益影响有着扎实的了解。她目前的研究重点是阿尔茨海默病和额颞叶痴呆的大脑保护策略。Yvette AKWA 与其合作伙伴正在研究通过类固醇调节兴奋性神经传递、刺激突触活性和与 TSPO 激活相关的内源性类固醇对淀粉样蛋白和 tau 病理的保护作用。

18:15 闭幕式

Program

FCPAE Europe Forum & 5th International Conference on Artificial Intelligence and Advanced Manufacturing (AIAM2023)

Date	October 20, 2023 (Europe Brussels Time Zone UTC+02:00)
Location	Crowne Plaza, Da Vincilaan 4, 1831 Brussel, Belgium
October 19, 2023	15:00-17:00 Registration
October 20, 2023	9:30 -12:30 Forum Plenary Session
October 20, 2023	**Future Intelligent Technology - Session B** **Welcome Ceremony (Host: Shixin Ye-Lehmann, INSERM Tenured Researcher, University Paris-Saclay, PhD supervisor (HDR).** **14:00-14:05 Welcome Speech** **14:05 Speaker 1: Shixin Ye-Lehmann** **INSERM Tenured Researcher, University Paris-Saclay, France.** **Speech Title: A survey of COVID-19 neutralizing antibodies: what do we learn from the SARS-CoV2 spike protein and antibodies interaction?** Dr. Ye-Lehmann graduated from the Chemistry Department of Peking University with a bachelor degree. Shen went to the USA in 1998 and received PhD in chemistry from the University of Pennsylvania in 2004. She was a postdoctoral researcher at the Rockefeller University in New York from 2004 to 2009. She was among the first to establish genetic code expansion in mammalian cells to investigate structural function relationship of G protein-couple receptors. approximately 40% of prescribed medicine target a member of this receptor family. She moved to France as a research fellow at the Institute of Biology of Ecole Normale Superieure (ENS) in 2010, sponsored by the Pierre-Gille de Gennes Foundation. She subsequently became a project leader in ENS and recruited by INSERM as a tenured researcher in 2011. During this period, she has discovered an array of light-sensitive NMDA receptors by the site-specific incorporation of p-azido-L-phenylalanine. In 2016, through an open call competition, she was awarded to set up a Synthetic Biology Team in the Laboratory of Computational and Quantitative Biology of the Sorbonne University. During this period, through international collaborations she has developed transgenic animals (mice and zebrafish) with an expanded genetic code using viral delivery systems, which have implications for investigation of neuronal diseases. From 2016 to 2019, she moved to the INSERM U1195 unit specialized in neurosteroids and diseases, which situated inside the Bicetre Hospital. Since then she focuses on innovative optogenetics tools to study structural-function relationships of neuronal receptors, and providing therapeutic insights for anesthesia and diseases such as the Alzheimer's. She has published more than 50

papers in journals such as Nature, Nature Chemical Biology, PNAS, and Nature Communications, and she also serves as reviewer for journals such as Nature Neuroscience, Neuron, ChemBioChem, JACS, and Bioconjugation Chemistry etc.

14:30 Speaker 2: A. C. Matin
Professor, Stanford University School of Medicine, USA.
Speech Title: Nanomaterial-mediated systemically administered m-RNA-based gene therapy directed exclusively to cancer, present successes and future prospects

Prof. A. C. Matin is a professor of Microbiology and Immunology from Stanford University School of Medicine. He was born in the USA and completed his Ph.D. in the year 1969 in the field of microbiology from the University of California, Los Angeles. He is having teaching knowledge of around 55 years. He is an active member of many microbiological and immunological societies and associations. He received the Fulbright Scholar award in the year 1964-1971. He is the author of 142 publications along with a few patents. He has been a part of many scientific conferences during his teaching and educational career. He had received funding from a reputed organization for his research work. His current research interest includes immunology, Microbiology, Cancer, Genetics studies, etc. Currently, he is working on Exosome (EV) project and also on the Extension of the ongoing antibiotic work.

14:55 Speaker 3: Michael Schumacher
Senior Director, INSERM U1195, University Paris-Saclay, France.
Speech Title: To be determined

Michael Schumacher is Senior Director of Research at INSERM, the French National Institute for Health and Medical Research. Since 1998, he is heading an INSERM research unit aimed at developing neuroprotective and neuroregenerative therapies. An area of special interest of his laboratory is the synthesis, metabolism and actions of neurosteroids, and in particular their role in the resistance of the brain to injury and in the regeneration of myelin. The determination of extended steroidomes by gas chromatography/tandem mass spectrometry has provided important informations concerning steroid metabolites in hormone target tissues and their nuclear and membrane actions. He holds a PhD degree in biological sciences from the University of Liège in Belgium. He then worked as a postdoctoral fellow in the laboratory of Pr. Bruce McEwen (Rockefeller University, New York), before joining in 1991 the laboratory of Pr. Etienne-Emile Baulieu as an Assistant Professor of Biochemistry. He has also been during 10 years the Dean of Doctoral School « Signaling and Integrated Networks in Biology » (University Paris-Saclay).

15:20 Speaker 4: Yongmin Zhang
Academician of French National Academy of Pharmaceutical Sciences.
Speech Title: To be determined

Yongmin Zhang, Academician of French National Academy of Pharmaceutical Sciences, Senior Research Fellow of French National Centre for Scientific Research (CNRS), Doctoral supervisor of Sorbonne University (formerly Paris VI University), Vice Chairman of China Science and Technology Workers Association, France. At present, Prof. Yongmin Zhang is committed to the scientific research of anti-tumor drugs, diabetes drugs, antiviral drugs and so on. He has published more than 280 papers in academic journals, including more than 250 SCI papers. He was invited to give more than 30 presentations at international academic conferences, and more than 150 oral reports and wall posters. He has made more than 130 academic reports in universities and research institutes in France, China, the United States and other countries. He has obtained 4 invention patents, presided over and participated in more than 30 projects in France, China and international cooperation, and trained more than 40 doctoral students and postdocs. Currently, he serves on the editorial board of European Journal of Medicinal Chemistry, Current Medicinal Chemistry, Chinese Chemical Letters and other international academic journals, serves as a reviewer for more than 20 international academic journals.

15: 55 Speaker 5: Weihong Zhang
Professor, Free University of Brussels, Belgium.
Speech Title: To be determined

Professor Zhang is currently a professor and doctoral supervisor of the School of Public Health of the Free University of Brussels, Belgium, she is also a senior project coordinator and professor of the International Center for Reproductive Health of Ghent University, Belgium, and an EU Horizon 2020 review expert. Adjunct professor of Institute of Science and Technology, National Health and Family Planning Commission, China, Shanghai Tongji University School of Medicine, Guangdong University of Chinese Medicine, Member of the 4th Overseas Chinese Experts Advisory Committee of Overseas Chinese Affairs Office of the State Council (2014-2017). As the first author or corresponding author, he has published more than 40 papers in international high-level academic journals such as British Medical Journal, British Journal of Obstetrics and Gynecology, International Journal of Environment and Health, and served as a reviewer and deputy editor of several international authoritative academic journals.

16: 20 Speaker 6: Maoli Duan
Associate Professor, Karolinska Institutet, Sweden.
Speech Title: To be determined

Dr. Duan is a senior consultant at Karolinska University Hospital, an Associate Professor at Karolinska Institutet, Sweden. He is also professor/guest professor in another 6 Universities in another countries. He is clinical expert at Otolaryngology Head &, Neck, Neurotology and Audiology. His research in basic focuses on stem cell/gene therapy, noise and drug-induced hearing loss and their protection/treatment. His clinical research focus on otology and neurotology. He has published more than 100 articles in international journal such as Nature Medicine, PNAS etc. His

research results have been put in cover pages of PNAS, Swedish doctor journal and Nobel Symposium, and text book of Cummings Otolaryngology Head &, Neck (fourth edition). He has more than 30 students who finished degrees and on-going students include master, PhD and post-doc. He has world-wide collaboration such as Harvard University, Paris University, and National University of Singapore etc. He is sitting on editorial board such as Scientific Report (nature sister´s journal), Plos one, Acta Otolaryngologica and Otolaryngology. He has reviewed many international articles for more 20 international journals. He is active in scientific evaluation committee includes Sweden, UK, France and China.

16:45 Speaker 7: Hongjun Yang

Founder and co-director of Precision Medicine Professional Committee of Chinese Bioengineering Society.

Speech Title: To be determined

Dr. Yang is internationally recognized as an outstanding scientific research and technical management elite leader in the field of biotechnology and biomedicine. He has a multidisciplinary knowledge background, and he has nearly 30 years of cross-disciplinary management experience in R&D, clinical, compliance, operations, and business. Dr. Yang is a pioneer in several areas of biotechnology, including biochips and microfluidics, the human HapMap project, the human gene expression profile database, the Biobank, next-generation gene sequencing, anti-tumor drugs, small nucleic acid interference, precision medicine and accompanying diagnostics. He is a typical multidisciplinary and interdisciplinary, knowledgeable and experienced excellent scientist who emphasizes results, products, compliance and practice.

17:10 Speaker 8: Xianyi Zeng

Professor, Ecole d'ingénierie et d'innovation textile; Director of GEMTEX Laboratory; Full Professor at ENSAIT, University of Lille, France.

Speech Title: To be determined

Xianyi Zeng (Senior Member, IEEE) received the B.Eng. degree from Tsinghua University, Beijing, China, in 1986, and the Ph.D. degree from the Centre d' Automatique, Université des Sciences et Technologies de Lille, Villeneuve-d' Ascq, France, in 1992. He is a Professor with the Ecole Nationale Supérieure des Arts et Industries Textiles, Roubaix, France, director of GEMTEX Laboratory and full Professor at ENSAIT, University of Lille. He has published three books, 140 papers in peer-reviewed scientific journals and 250 papers in international scientific conferences. He has presented over 25 plenary presentations in international conferences. Since 1995 he has received numerous academic awards from France, the United States and Rome etc.

17: 35 Speaker 9: Valérie Dutoit

University of Geneva, Switzerland

Speech Title: To be determined

Dr. Valérie Dutoit is a tumor immunologist specialized in the development of immunotherapeutic approaches for GBM. She obtained her PhD in 2003 from the University of Lausanne. She participated in the development of a novel multipeptide vaccine for GBM, which was tested in patients and led the way to the development of a personalized vaccine trial for patients with GBM. She also aims at understanding how immunotherapy can be combined with standard of care and what is the impact of the GBM TME on antitumor immune responses. She is currently working on the development of CAR T cells for GBM patients, together with the team of Prof. Migliorini from the UNIGE. Dr Dutoit is head of the biobank platform of the Oncology Service of Geneva University Hospital, collecting samples from patients involved in clinical trials and research projects.

17:50 Speaker 10: Yvette AKWA
Senior Researcher, INSERM U1195, University Paris-Saclay, France.
Speech Title: To be determined

Yvette AKWA have worked in the field of neurosteroids for over twenty years, bringing solid knowledge on their biosynthesis and metabolism in the brain and their beneficial effects on behavior. Her current research focuses on strategies for brain protection in Alzheimer's disease and frontotemporal dementia. Yvette AKWA and partners are investigating the protection against amyloid/tau pathology by steroids regulating excitatory neurotransmission, stimulation of synaptic activity & endogenous steroids linked to TSPO activation.

18:15 Closing Ceremony