IFRIMT 2018

International Forum for Robotics & Intelligent

Manufacturing Technology

June 23nd, Changzhou, Jiangsu, China

Nowadays, Robotics and Intelligent Manufacturing Technology are increasingly becoming the priority strategic industry of the developed countries in the world. As the “Made-in-China 2025”and “Internet+” gradually being raised to the national strategy, Robotics and Intelligent Equipment Manufacturing Industry has been a key support to increase China's manufacturing power. Under this background, Hohai University is cooperating with Changzhou Municipal Government, Wujin National High-tech Industrial Zone to hold the “2018 International Forum for Robotics and Intelligent Manufacturing Technology” (IFRIMT 2018) in Changzhou on June 23, 2018. The forum will invite international well-known academic experts and leading enterprises in the field of robotics and intelligent manufacturing. Its topic will cover the latest technological achievements and future industrial development trends of robot and intelligent manufacturing industry.

**Topic:** Intelligent Manufacturing —the Core of the Future Industrial Revolution

**Host:**Hohai University, China

**Organizers:**

College of Mechanical and Electrical Engineering, Hohai University, China

Key Laboratory of Special Robot Technology of Jiangsu Province, China

**Co-organizers:**

Wujin National High-tech Industrial Zone, Jiangsu province, China

Changzhou Association for Science &Technology, Jiangsu province, China

**Chairman:**Prof. David Barber (University College London Centre for Artificial Intelligence)

**Secretary:** Dr.Zhang Email: [zhangzghhu@163.com](mailto:zhangzghhu@163.com) Cell: +86 15251919961

**Time:** June 23,2018

**Venue:** Happiness Hotel, Changzhou, Jiangsu Province, China

(No. 99, Hanjiang East Road, Xinbei District, Changzhou)

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| **2018年6月22日 ( June 22, 2018)** | | | | |
| **时间**  **(Time)** | | **流程**  **(Schedule)** | **备注 (Memorandum)** | |
| 14:00 - 20:00 | | 酒店入住  福记逸高酒店  Check in:  Happiness Hotel |  | |
| **2018年6月23日 ( June 23, 2018)** | | | | |
| **日程表**  **(Agenda)** | **时间**  **(Time)** | **流程**  **(Schedule)** | | **备注 (Memorandum)** |
| 注册/报到 (Registration) | 8:00-9:00 | 注册/报到 (Registration) | |  |
| 开幕式（Opening Ceremony） | 9:00-9:20 | 介绍来宾  学校领导致欢迎辞  嘉宾致词  (Opening Remarks) | | Chair:  *Prof. Kun Ding* |
| 学术报告（一）  Seminar  (Part I) | 9:20-10:00 | 主题报告(Lecture): Some perspectives on AI and the challenges that remain  *Prof. David Barber (England)* | | Chair:  *Prof. David Barber* |
| 10:00-10:40 | 主题报告(Lecture): The role of rigorous simulation in manufacturing innovation  *Prof. Walid Mohamed Taha (Sweden)* | |
| 10:40-10:50 | Coffee Break | |
| 10:50-11:30 | 主题报告(Lecture): Machine learning of motor skills for robotics  *Prof. Jan Peters(Germany)* | |
| 11:30-12:10 | 主题报告(Lecture): Research on the key technology of light-weight collaborative robot  *Prof. Minzhou Luo (China)* | |
| 午餐 ( Lunch) | 12:10-13:15 | 午餐 (与会嘉宾)  Lunch | |  |
| 学术报告（二）  Seminar  (Part II) | 13:15-13:45 | 主题报告(Lecture): Big data analytics for smart manufacturing and automation  *Prof. Zhuming Bi (USA)* | | Chair:  *Prof. Zhuming Bi* |
| 13:45-14:15 | 主题报告(Lecture): Robots tasks management with behavior tree  *Senior Engineer Jorge Santos Simón (Germany)* | |
| 14:15-14:45 | 主题报告(Lecture): Latest research of soft actuator for medical application  *Prof. Tetsuya Horiuchi (Japan)* | |
| 14:45-15:00 | Coffee Break | |
| 15:00-15:30 | 交流报告(Lecture):Swarm intelligence and industry 4.0  *Dr. Hongli Ding ( Germany)* | |
| 15:30-16:00 | 交流报告(Lecture): Key technologies for human robot interaction for smart manufacturing  *Prof. Liu Xiaofeng (China)* | |

**Invited Speakers**

**Prof. David Barber**

Centre for Artificial Intelligence ,University College London, England

**Prof. Jan Peters**

Computer Science Department of the Technische Universitaet Darmstadt, Germany

**Senior Engineer Jorge Santos Simón**

Magazino Corporation, Germany

**Prof. Tetsuya Horiuchi**

National Institute of Advanced Industrial Science and Technology, Japan

**Prof. Walid Mohamed Taha**

Computer Science at the School of Information Technology, Halmstad University, Sweden

**Prof. Zhuming Bi**

Department of Civil and Mechanical Engineering, Purdue University Fort Wayne, USA

**Dr. Hongli Ding**

University of Paderborn and PACE, Germany

**Prof. Minzhou Luo**

College of Mechanical and Electrical Engineering, Hohai University, China

**Prof. Xiaofeng Liu**

College of Internet of things Engineering, Hohai University, China