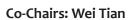
SESSION LECTURE

No. 32 International Standards and New **Progress in Medical Robots**

Room: 310





Russell H. Taylor



Day 2 October 28 th (Sunday) 13:30 – 17:00		
Time	Speaker	Title
13:30-13:40	Openning Ceremony Speeches	
13:40-14:10	Russell H. Taylor The Johns Hopkins University, USA	Medical Robotics and Computer Assisted Surgery
14:10-14:40	Tatsuo Arai Osaka University, Japan	Micro Robotics Advances in Bio Science
14:40-14:50	Tea Break	
14:50-16:30	The Symposium on the Clinical Application Management of Surgical Robot	



Wei Tian

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Chief physician, doctoral tutor and president of Beijing Jishuitan Hospital. Prof. Tian Wei carried out basic and clinical researches of intervertebral disc degeneration, motion-preserving technique of cervical spine and established the national standard guideline for cervical artificial disc replacement.



Russell H. Taylor

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He joined IBM Research in 1976, where he developed the AML robot language and managed the Automation Technology Department and (later) the Computer-Assisted Surgery Group before moving in 1995 to Johns Hopkins, where he is the John C. Malone Professor of Computer Science with joint appointments in Mechanical Engineering, Radiology, and Surgery and is also Director of the (graduated) Engineering Research Center for Computer-Integrated Surgical Systems and Technology (CISST ERC) and of the Laboratory for Computational Sensing and Robotics (LCSR). He is the author of over 425 peer-reviewed publications and 48 patents, a Fellow of the IEEE, of the AIMBE, of the MICCAI Society, of the National Academy of Inventors and of the Engineering School of the University of Tokyo.



Tatsuo Arai

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Professor Tatsuo ARAI moved to Osaka University in 1997 as a full professor at the Department of Systems Innovation, Graduate School of Engineering Science. In April 2017, he moved to Beijing Advanced Innovation Center for Intelligent Robots and Systems, Beijing Institute of Technology, as a State 1000 Talent Program Professor. His current research topics are mechanism design including parallel mechanisms, legged working robot, micro robotics for bio application, human robot interaction. He is IEEE Fellow, IAARC (International Association of Automation and Robotics in Construction) Director, RSJ (Robotic Society of Japan) Fellow, and JSME (Japan Society of Mechanical Engineers) Fellow. He worked for the Cabinet Office as a chair of the Technical Advisory Committee of the Destruction of Abandoned Chemical Weapon in 2000-2007. He was a project leader of National Project on Hyper Bio Assembler in 2011-2016.