

# 医工薬理融合 GPLLI Seminar Series #6

Graduate Program for Leaders in Life Innovation  
The University of Tokyo

## Medical Robotics and Computer-Integrated Interventional Medicine

### Russell H. Taylor

Professor, The Johns Hopkins University, USA

日時: 平成27年11月21日(土)、17:30~18:15

会場: 工学部 2号館 1階 213 講義室(大会第一会場)



This talk will discuss ongoing research at the JHU Engineering Research Center for Computer-Integrated Surgical Systems and Technology (CISST ERC) to develop CIIS systems that combine innovative algorithms, robotic devices, imaging systems, sensors, and human-machine interfaces to work cooperatively with surgeons in the planning and execution of surgery and other interventional procedures. This talk will describe past and emerging research themes and illustrate them with examples drawn from our current research activities in medical robotics and computer-integrated interventional systems.

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Russell H. Taylor received his Ph.D. in Computer Science from Stanford in 1976. After spending 1976 to 1995 as a Research Staff Member and research manager at IBM Research, he moved to Johns Hopkins University, 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 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 400 peer-reviewed publications and book chapters and has received numerous awards and honors.

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Organizer: 第24回日本コンピュータ外科学会大会  
Graduate Program for Leaders in Life Innovation, The University of Tokyo

Cooperation: International Core Research Center for NanoBio  
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