

特別講演のご案内

- ・日時：2010年6月23日（土）10：30～
- ・場所：首都大学東京日野キャンパス1号館1階会議室1,2（131、132）
- ・参加費：無料
- ・言語：英語

The Ever Evolving Mechatronics - the Past, Today and Tomorrow

Professor Peter Xu

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This seminar will talk about the progress, applications, breadth and depth of Mechatronics, reflecting on my personal journey of research in the past quarter century. With a focus on mechatronic characteristics, I will cover briefly some of my past projects including kinematic error modelling and measurement of industrial robots, modular robotics, flexible macro-micro manipulator systems (space robotics), mobile service robotics, and glass-wall cleaning robots, which show a variety of unique mechatronics applications. The significance of the research, methodological developments and major results are summarised. I will continue to discuss in detail a number of my current research programs around foods chewing robots, orthopaedic robots, medical assistive devices, and biomedical diagnostic sensors, where Neurobotics, Knowledge Mining, and Advanced Mechatronics have found a place. A new extension of mechatronics into intelligent transportation systems (ITS) will be also presented. Finally, I will comment on a few potential directions of future research in mechatronics.

An introduction to Massey University, New Zealand, and its postgraduate study opportunities will also be included in the talk.

連絡先：

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