



Advanced Medical Healthcare Systems Based on ICT (Information and Communication Technologies)

August 26 - August 28, 9.00 - 12.00 in TS 128

Professor Ryuji Kohno

Professor, Division of Physics, Electrical and Computer Engineering, Graduate School of Engineering; Director, Center of Medical Information and Communication Technology, Yokohama National University, Japan; Program Coordinator, Medical ICT Institute, National Institute of Information and Communications technology (NICT), Japan
(<http://www.kohnolab.dnj.ynu.ac.jp/kohno/index.html>)

This course will introduce the idea of Ubiquitous Medicine and advanced medical healthcare systems such as body area network (BAN), medical implant communication system (MICS) etc. The course will provide attendees with understanding of the technical requirements and regulation & standardization issues. Furthermore future research topics and necessary development in order to make ubiquitous medicine attractive for the industry will be discussed.

Course Contents

- Overview of Advanced Medical Healthcare Based on ICT
- Background and Demand
- Global Trend and Projects on Medical ICT
- Required Technologies
- Advanced Medical Healthcare Systems
- Research and Development Subjects
- International Standard and Regulation
- Concluding Remark

Registration latest by Tuesday August 18 under: <https://www.webropol.com/P.aspx?id=344012&cid=100029309>

The amount of credit points will be announced later.

The course fee for participants who are not postgraduate students of the University of Oulu is 600 € (VAT 0%) including coffee and lunch on all course days.

For more Information please contact: Kirsi Ojutkangas kirsi.ojutkangas@ee.oulu.fi