

# HNICEM 2009

## P R O G R A M M E

### DAY 1: 12 March 2009 (Thursday) WORKSHOP AND TUTORIALS

Venue: Br Andrew Gonzalez Hall, De La Salle University, Manila

- 9:00 AM            **TOWARDS HUMANLIKE SOCIAL TOUCH FOR SOCIABLE ROBOTICS AND PROSTHETICS**  
Speaker: **DR. JOHN-JOHN CABIBIHAN**, National University of Singapore
- 10:30 AM           **FUNDAMENTALS OF FUZZY LOGIC AND CONTROL APPLICATIONS**  
Speaker: **PROF. KAORU HIROTA**, Tokyo Institute of Technology, Japan
- 1:30 PM            **TOWARDS ROBOTIC COGNITION: A BIOLOGICALLY INSPIRED PROBABILISTIC ARCHITECTURE.**  
Speaker: **PROF. FAKHREDDINE KARRAY**, University of Waterloo, Canada
- 3:00 PM            **ALTERNATIVE ENERGY: THE INFLUENCES UPON MANUFACTURING AND TECHNOPRENEURSHIP**  
Speaker: **PROF. IOAN MARINESCU**, University of Toledo, USA

### DAY 2: 13 March 2009 (Friday - AM)

## C O N F E R E N C E   F O R M A L   O P E N I N G

- 7:15 AM            **REGISTRATION**
- 8:30 AM            **OPENING CEREMONIES**
- 8:30-8:40           **Welcome Remarks**                    **PROF. ELMER DADIOS**  
General Chair, HNICEM 2009  
President - MRSP  
Professor and University Fellow  
DLSU, Philippines
- 8:40-9:10           **Opening Remarks**                    **BR ARMIN LUISTRO, FSC**  
President and Chancellor  
De La Salle University, Manila
- 9:10-9:15           **Introduction of Keynote Speaker**                    **PROF. ALVIN CULABA**  
Professor and University Fellow  
Director, Center for Engineering and Sustainable Development Research  
De La Salle University, Manila

9:15-9:45

**Keynote Speech**

**COMMISSIONER MONCHITO IBRAHIM**

Commission on Information and  
Communications Technology (CICT)  
Office of the President, Philippines

*Master of Ceremonies*

**PROF. ALVIN CULABA**

Program Co-chair, HNICEM 2009

9:45 -10:30

**PLENARY LECTURE 1**

Topic : **HUMANOID ROBOT – HanSaRam: RECENT  
PROGRESS AND DEVELOPMENT**  
Speaker **PROF. JONG-HWAN KIM**  
Korea Advanced Institute of Science and  
Technology, South Korea  
Moderator **PROF. ELMER DADIOS**  
De La Salle University, Manila

10:30– 11:15

**PLENARY LECTURE 2**

Topic **ADVANCES IN COGNITIVE ROBOTICS  
ACHIEVEMENTS AND CHALLENGES**  
Speaker **PROF. FAKHREDDINE KARRAY, Ph.D.**  
University of Waterloo, Canada  
Moderator **PROF. ELMER DADIOS**  
De La Salle University, Manila

11:15-12:00

**PLENARY LECTURE 3**

Topic **REVIEW OF THE DEVELOPMENT OF  
STACKELBERG STRATEGIES FOR DYNAMIC  
MULTI-CONTROLLER SYSTEMS AND FUTURE  
RESEARCH TRENDS**  
Speaker **PROF. JOSE CRUZ, JR.**  
The Ohio State University, Columbus, Ohio USA  
Moderator **PROF. RAYMOND TAN**  
De La Salle University, Manila

12:05

**L U N C H B R E A K**

1:00 - 1:45

**PLENARY LECTURE 4**

Topic **HUMAN-FRIENDLY ROBOTICS**  
Speaker **PROF. OUSSAMA KHATIB**  
Stanford University, USA  
Moderator **PROF. MARCELO ANG**  
National University of Singapore, Singapore

1:45 - 2:30

**PLENARY LECTURE 5**

Topic **ALTERNATIVE ENERGY: A PRIORITY RESEARCH DIRECTION FOR THE USA AND THE UNIVERSITY OF TOLEDO**  
Speaker **PROF. IOAN MARINESCU**  
University of Toledo, USA  
Moderator **PROF. PAG-ASA GASPILLO**  
De La Salle University, Manila

2:30

**BRIEFING: HNICEM TECHNICAL SESSIONS AND ACTIVITIES**

**DR. MARCELO ANG**  
Program Chair, HNICEM '09  
National University of Singapore, Singapore

2:40 - 6:00

**PARALLEL SESSIONS 1,2,3,4**

**DAY 3: 14 March 2009 (Saturday - AM)**

8:00-8:45

**PLENARY LECTURE 6**

Topic **MASCOT ROBOT SYSTEM DEVELOPED IN NEDO PROJECT**  
Speaker **PROF. KAORU HIROTA**  
Tokyo Institute of Technology, Japan  
Moderator **DR. FLORANTE SALVADOR**  
De La Salle University, Manila

8:45-9:30

**PLENARY LECTURE 7**

Topic **COMMON FRAMEWORK FOR NETWORKED PERSONAL HEALTH INFORMATION**  
Speaker **PROF. RAOUF NAGUIB**  
Coventry University, U.K.  
Moderator **PROF. ALVIN CULABA**  
De La Salle University, Manila, Philippines

9:30-10:15

**PLENARY LECTURE 8**

Topic **MEDICAL MICRO SURGERY AND PERFORMANCE EVALUATION**  
Speaker **PROF. TOSHIO FUKUDA, Ph.D.**  
Nagoya University, Japan  
Moderator **DR. MARCELO ANG**  
National University of Singapore, Singapore

10:20-12:00      **PARALLEL SESSIONS 5,6,7,8**

12:00      **L      U      N      C      H                      B      R      E      A      K**

1:30-2:00      **Closing Ceremonies**

2:00              **RELAXATION – TRIP TO PURTO GALLERA ISLAND**

**DAY 4:      15 March 2009 (Sunday – Beach Relaxation)**  
**TRIP BACK TO MANILA**