Project for Promoting RoboCup

4th International Spring School for Humanoid Soccer Robots 2015

20-22 May 2015, NKFUST, Kaohsiung, TAIWAN

Objectives

The objectives of the school is to give deep insights into the current state of the art for soccer playing humanoid robots. The focus topics of 4th International Spring School are about Robot Operating System (ROS) and robot open platform. The 4th International Spring School for Humanoid Robots, a unique opportunity for everyone to learn the fundamentals and get involved in humanoid robots projects.

Program

The spring school will highlight the most recent advances in humanoid robotics research. There will be sessions covering the basic theory and lab activities covering the practice of humanoid robotics. Lectures will be presented by well known researchers from North America, Europe, and Asia.

Theory: Many successful approaches in the areas of active balancing, compliant control, complex motion planning, biologically inspired approaches, team play, and human robot interaction.

Case Studies: The popular robotic tool, ROS, will be studied. Especially, the function of simulation will study **Altas robot** being successful in DAPAR competition.

Practical exercises: Some real humanoid soccer robots (Darwin-OP, Nao) will be provided for hands-on experience.

Social Activities

To facilitate informal interactions between participants, several social activities are planned.

Chairs

Chair: Roger C. Y. Chen, NKFUST, First Tech

Co-Chairs:

Jyh-Horng Chou, NKFUST, First Tech

Tzuu-Hseng S. Li, National Cheng Kung University.

Jacky Baltes, University of Manitoba.

Soroush Sadeghnejad, Amirkabir University of Technology

Kuo-Yang Tu, NKFUST, First Tech

Venue

Institute of Electrical Engineering, National Kaohsiung First University of Science & Technology (First Tech), Kaohsiung, Taiwan.

Registration

All participants must register for the school.

Advance registration until May 1st 2015.

Registration Fees	International ($)	National (NTD)
Regular registration	350	10,000
Graduate/Undergraduate Students	150	4,500
High School Teachers, Hobbyists	100	3,000

Organizers

We gratefully acknowledge the support of the International RoboCup Federation.