The International Conference for Upcoming Engineers (ICUE) is a platform where students and faculty members work together in organizing a conference, and a forum to exchange ideas and promote learning and participation amongst undergraduate students, graduate students and faculty researchers.

After a very successful 3rd annual ICUE, the Steering Committee chaired by **Dr. Sri Krishnan** (Ryerson University) decided to make this a travelling conference in order to benefit students in other regions as well. The steering committee decided that the proposal from University of Windsor IEEE Student Branch was the strongest and hence the planning for the 4th annual ICUE began in December 2005.

The 4th annual ICUE was held in the University of Windsor on May 20th-21st 2005 thanks to the co-operation and support from the University of Windsor's Department of Electrical and Computer Engineering, Ryerson University, IEEE Canadian Foundation, IEEE Region 4, IEEE Toronto Section and IEEE South-eastern Michigan Section. Funding was also received from DaimlerChrysler 3-E Student Activities Fund (Platinum Sponsor), University of Windsor Student Alliance (Platinum Sponsor), JMP Engineering (Gold Sponsor), and the Alumni Association (Silver Sponsor).

The 2-day conference brought together prominent individuals in various fields of engineering and provided students with an opportunity to learn and interact. It consisted of a wireless communication session, automotive session, other technical and non-technical talks by distinguished lecturers, design demonstrations, paper contest, a wine and cheese social and a banquet and awards ceremony.

The wireless communication session had 4 speakers including **Dr. Gerry Chan**, Vice President, Terrestrial Wireless Systems at Communications Research Centre (CRC). The presentations were followed by a panel discussion which allowed the audience to interact with the speakers. The automotive session followed a similar format and included speakers from both industry and academia. Apart from these, there were presentations on various other technical topics such as "Making Mobile Robotics Help People" by **Dr. McIsaac** from University of Western Ontario.

In addition to technical talks, seminars on non-technical topics such as career growth, job search techniques, and stress management were also included. Keynote speaker **Jim Watson**, an IEEE S-PAC National

Speaker, discussed career growth and how to get ahead in the engineering fields in a presentation called "In Search of Diamonds." To give attendees a historical perspective of the profession, **Jim Rautio**, president of Sonnet Software, in Syracuse N.Y., spoke on the life of James Clerk Maxwell, a Scottish physicist who did pioneering work in electromagnetism and the kinetic theory of gases.

ICUE 2005 was advertised through various IEEE newsletters, communities, mailing lists and was also linked to the IEEE Canada and Region 4 websites. As a result ICUE 2005 generated interest across the borders and we received technical papers from USA, India, Bangladesh, Australia and Canada. A total of 85 students registered, 25 papers were displayed and 8 design demonstrations were presented during the conference.

The following were recognized by awards:

1st Best Paper:

- "Lab on the Web" by Srdjan Pepic, Ian J. Sin Kwok Wong, Paramjit Pawan (University of Toronto)

2nd Best Paper:

- "The Autonomous Rover Project" by Mohamad El-Sadek, Kenny Ma, Akram Nafee, Mohammad Tariq Rafique (University of Toronto)

3rd Best Papers:

- "Crosstalk in add/drop multiplexing with phase masked fiber Bragg Grating" by Ms Hatice Kosek (Ryerson University)
- "Budget Management Algorithms with Gate-Sizing and Other Low-Power Applications" by Kevin Banovic (University of Windsor)

Best Design Project:

- "Integrated Radio Electric Guidance Package" by Adrian Tang, Charles Prosper (Ryerson University)

The organizing committee appreciates the time and interest of all the participants, speakers and supporters who helped in making ICUE 2005 a success. More information about this conference can be found at www.icue.ca.

Apurva Jain

ICUE 2005 Chair