

Dr Gregory Duck Won Best Paper Award at ICLP 2012

Dr Gregory James Duck, a senior research fellow at NUS School of Computing, has received the *Best Paper Award* at the *International Conference for Logic Programming (ICLP) 2012* for his paper on “SMCHR: Satisfiability Modulo Constraint Handling Rules”. Held in Budapest, Hungary from 4 to 8 September 2012, this year marks the 28th anniversary of the conference.



The paper was selected by the ICLP 2012 Program Committee and the award was presented to Dr Gregory Duck at the Conference Banquet on board the Európa Hajó as it cruised down the Danube River on the evening of 7 September 2012. He received the award from Prof Veronica Dahl, a member of the ICLP

2012 Program Committee and the banquet speaker.

His paper introduces Satisfiability Modulo Constraint Handling Rules (SMCHR) as a programming language which integrates Constraint Handling Rules (CHR) and a modern Boolean Satisfiability solver. The SMCHR system is an efficient, extensible theorem prover for any theory implementable in CHR. Some of the possible applications include program verification, program analysis, model checking, theorem proving, and constraint programming.

and Zhao Jin created the CitWeb application for the CodeForScience – Singapore competition. The CitWeb application analyzes citations in a scientific article to help researchers understand whether it refers to the cited paper positively or negatively and whether it refers to the paper in general or to a specific section of a paper. For their efforts, they won first prize and a cash award of 5000 SGD for leading the way in demonstrating the prototype of the next generation set of scholarly tools.



(Left to right) Chen Tao, Eric Yulianto, Heng Low Wee, Zhao Jin along with Assoc Prof Kan Min-Yen.

PhD Student Won Trainee Research Prize at RSNA 2012

Sharmili Roy, a CS PhD student supervised by Associate Professor Michael S. Brown, has won the Trainee Research Prize at the 98th Annual Meeting of the Radiological Society of North America (RSNA) 2012 held in Chicago. RSNA is one of the world’s most important annual event in medical imaging science, education and technology and is attended by approximately 60000 participants. Their abstract, titled “Automatic 3D Volume Extraction from 2D Annotations,” was one of the two abstracts selected for the prize out of the 264 Informatics abstracts published this year.



The primary aim of their work in this abstract is to enhance the way radiologists communicate volumetric observations to clinicians in their routine clinical practices. Radiologists often draw image-based annotations on medical exam images to denote regions of clinical significance. Most radiological workstations, however, do not allow three-dimensional volume annotations. They have developed an open-source software framework that automatically derives three-dimensional volumes from unstructured two-dimensional radiological annotations. Their system can be used for enhancing some clinically important applications like three-dimensional exam visualization with volumetric data obtained from radiological annotations embedded in it and automatic exam summary generation based on radiological annotations.

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NUS Student Team Won First Prize in Elsevier CodeForScience Competition

The CodeForScience series of competitions is a worldwide initiative by scientific publishing giant Elsevier to develop applications to help scholars and researchers better understand and utilize the scientific literature.

Elsevier chose Singapore as one of four international sites for the six-week competition, along with Turkey, India and USA (Boston). Led by Assoc Prof Kan Min-Yen, a team consisting of undergraduates Heng Low Wee and Eric Yulianto, and graduate students Chen Tao

FACULTY & STAFF NEWS

Asst Prof Ben Leong Serving on Facebook’s Faculty Thought Leader Council



Assistant Professor Ben Leong would be serving on *Facebook’s Faculty Thought Leader Council*. As part of the deal, he was also invited to bring 5 of our best undergraduates (all expenses paid) to Menlo Park in Jan 2013 to participate in a global Hackathon together with the best CS students in the world. Ben said “I will pick the best 5 students from CS3216/CS3217 and they will stand tall among their peers from the top schools worldwide.”

Assoc Prof Leong Hon Wai Serving on SCS Thought Leadership Committee



Associate Professor Leong Hon Wai would be serving on the *Singapore Computer Society Thought Leadership Committee*. This is a new committee and it is to offer ideas and inputs of what areas SCS should be focusing on and how to re-adapt her strategies to connect more effectively with stakeholders, IT professionals, members and the young tech-savvy generation.