|  |
| --- |
| **ITiCSE 2013 CONFERENCE Programme** |
| **Monday 1st July 2013** |
| 8.0012.00 | University of Kent, Canterbury**Registration**Venue: Keynes College lobby |
| 8.459.00 | Welcome and Opening Remarks**Professor Keith Mander**Deputy Vice Chancellor, University of KentVenue: KLT1 |
| 9.0010.00 | Keynote Address**Professor Simon Peyton Jones***The Computing at School Working Group*Venue: KLT1 |
| 10.0010.45 | **Coffee break****Poster presentations**Venue: Keynes lobby |
| 10.4511.1511.4512.15 | Paper session 1aVenue: KLT1*An Informatics Perspective on Computational Thinking*James Walden, Maureen Doyle, Rudy Garns & Zachary HartNorth Kentucky State University, USA*Computational Thinking in Educational Activities*Lindsay Gouws, Karen Bradshaw & Peter WentworthRhodes University, South Africa*From Theory to Practice: NP-completeness for every student*Pierluigi Crescenzi, Università degli Studi di Firenze, ItalyEmma Enström & Viggo Kann, KTH Royal Institute of Technology, Sweden | Paper session 1bVenue: KLT5*Design Eye: an interactive learning environment based on the SOLO Taxonomy*Safurah Abdul Jalil, Beryl Plimmer, Ian Warren & Andrew Luxton-Reilly, University of Auckland, New Zealand*Interactive Educational Simulations for Promoting the Comprehension of Basic Compiler Construction Concepts*Daniel Rodríguez-Cerezo, Mercedes Gómez-Albarrán & José-Luis Sierra-Rodríguez, Complutense University of Madrid, Spain*Voice interactive learning: A framework and evaluation*M. del Puerto Paule-Ruiz, Victor M. Álvarez-García & Juan-Ramon Pérez-Pérez, University of Oviedo, SpainMoisés Riestra-González, Accenture Analytics, Spain | Panel Session 1Venue: KLT6*Transforming Computer Science in Schools*Chris Stephenson, Computer Science Teachers association, USA,Simon Humphries, Computing at Schools Working Group, UKJudith Gal-Ezer, The Open University of Israel,Julie King, Australian Curriculum, Assessment and Reporting Authority |
| 12.151.30 | **Lunch**Venue: Rutherford dining hall |
| 2.005.00 | Teachers’ workshop session Venue: Cornwallis SW101*Introduction to teaching programming with Greenfoot and Java*Michael Kölling, University of Kent, UK |
| 1.302.002.303.00 | Paper session 2aVenue: KLT1*Teaching and Assessing Programming Fundamentals for Non Majors with Visual Programming*William Honig, Loyola University, Chicago, USA*Programming Process Visualizer: A Proposal of the Tool for Students to Observe Their Programming Process*Yoshiaki Matsuzawa, Shizuoka University, JapanKen Okada, Keio University, JapanSanshiro Sakai, Shizuoka University, Japan*A Hierarchical Framework for Mapping and Quantitatively Assessing Program and Learning Outcomes*Joy Reed & Hong ZhangArmstrong Atlantic State University, USA | Paper session 2bVenue: KLT5*Concepts for Mobile Programming*Aaron Gordon, Metropolitan State University of Denver, USA*Mobile Computing and Robotics in One Course: Why Not?*Stan Kurkovsky, Central Connecticut State University, USA*Learning Elsewhere: Tales from an Extracurricular Game Development Competition*Chris Johnson, University of Wisconsin, Eau Claire, USA, Anson Call & Steve Herrnstadt, Iowa State University, USA | Working Group ReportsVenue: KLT6*User Requirements and Design Strategies for Open Source Interactive Computer Science eBooks***Leaders: Tom Naps,** University of Wisconsin Oshkosh, USA, **Ari Korhonen, Aalto University, Finland***The McCracken study – 12 years on*Leader: Ian Utting, University of Kent, UK*Cybersecurity, Women and Minorities: How to Succeed in the Career*Leaders: Rose Shumba, University of Maryland College, USA & Carol Taylor, Eastern Washington University, USA*One Thousand and Twenty Four Multiple Choice Questions for CS1/CS2***Leaders: Raymond Lister, University of Technology, Sydney, Australia & Kate Sanders, Rhode Island College, USA** |
| 3.003.45 | **Coffee break****Poster Presentations**Venue: Keynes lobby |
| 3.454.154.455.15 | Paper session 3aVenue: KLT1*Introducing Computing Students to Scientific Experimentation*Karen Renaud, University of Glasgow, UK*Using CloudSim to learn cloud computing architecture/system concepts in a graduate course*Marta Beltrán, Antonio Guzmán & Marcos Palomero, Universidad Rey Juan Carlos, Spain*From Cluster to Cloud to Appliance*David MalanHarvard University, USA | Paper session 3bVenue: KLT5*Teaching Internationalization – Internationally*Jesse Heines, University of Massachusetts Lowell, USA Krzysztof Jassem, Adam Mickiewicz University, Poland*Teaching spreadsheets to visually impaired students in an environment similar to a mainstream class*Dino Capovilla & Peter Hubwieser, Technische Universität München, Germany*Teaching Data Structures with beSocratic*Sam Bryfczynski & Roy Pargas, Clemson University, USA, Melanie Cooper, Michigan State University, USA, Michael Klymkowsky, University of Colorado, Boulder, USA,Brian Dean, Clemson University, USA | Paper session 3cVenue: KLT6*Issues with a Course That Emphasizes Self-Direction*Ville Isomöttönen, Ville Tirronen & Michael Cochez, University of Jyväskylä, Finland*Scaffolding Students' Learning using Test My Code*Arto Vihavainen, Thomas Vikberg, Matti Luukkainen & Martin Pärtel, University of Helsinki, Finland*Massive Increase in Eager TA’s: Experiences from Extreme Apprenticeship-based CS1*Arto Vihavainen, Thomas Vikberg, Matti Luukkainen & Jaakko Kurhila, University of Helsinki, Finland |
|  | **Free Evening** |

|  |
| --- |
| **ITiCSE 2013 CONFERENCE Programme** |
| **Tuesday 2nd July 2013** |
| 9.0010.00 | Keynote**Chris Wildsmith***Kinetic – A learning environment within business*Venue: KLT1 |
| 10.0010.45 | **Coffee Break****Poster Presentations**Venue: Keynes lobby |
| 10.4511.1511.45 | Paper Session 4aVenue: KLT1*Peer Instruction in Computer Science at Small Liberal Arts Colleges*Leo Porter, Skidmore College, USASaturino Garcia & John Glick, University of San Diego, USA, Andrew Matusiewicz, Skidmore College, USA, Cynthia Taylor, Oberlin College, USA*Using Industry-Inspired Guidelines to Increase Students’ Pair Programming Effectiveness*Mark Zarb & Janet Hughes, University of Dundee, UK & John Richards, IBM T.J. Watson Research Centre, USA | Paper Session 4bVenue: KLT5*Assessment of Programming: Pedagogical Foundations of exams*Judy Sheard, Monash University, Simon, University of Newcastle, Angela Carbone, Monash University, Daryl D’Souza & Margaret Hamilton, RMIT University, Australia*Optimizing Grading through Feedback Loops*Tommy MacWilliam & David Malan, Harvard University, USA | Paper session 4cVenue: KLT6*A Portable Graphics Library for Introductory CS*Eric Roberts & Keith Schwarz, Stanford University, USA*Anonymous JavaScript Algorithm Visualization Library*Ville Karavirta, Aalto University, Finland & Clifford A. Shaffer, Virginia Tech, USA |
| 11.4511.55 | **Short break** |
| 11.5512.3512.55 | Paper session 5aVenue: KLT1*Producing Multimedia Pills to Stimulate Student Learning and Engagement*Elena Sanchez-Nielsen, University of La Laguna, Spain*Why Does Place Matter?*Daniel Knox & Sally FincherUniversity of Kent, UK | Paper session 5bVenue: KLT5*On the Differences Between Correct Student Solutions*Andrew Luxton-Reilly, Paul Denny, Diana Kirk, Ewen Tempero & Se-Young Yu, University of Auckland, New Zealand*A study of the influence of code-tracing problems on code-writing skills*Amruth Kumar, Ramapo College of New Jersey, USA | Paper session 5cVenue: KLT6*Using case studies to design and deliver technology-centered computing education courses: an innovative approach from an undergraduate Information Systems program in Singapore*Ilse BaumgartnerSingapore Management University, Singapore*Five Years of Taps on Shoulders to PATS on Backs in ICT*Angela Carbone, Bella Ross & Jason Ceddia, Monash University, Australia |
| 1.00pm | **Lunch**To be collected from Keynes lobby |
| 1.305.30 | **Excursions** |
|  | **Free evening** |

|  |
| --- |
| **ITiCSE 2013 CONFERENCE Programme** |
| **Wednesday 3rd July 2013** |
| 9.0010.00 | Keynote**Wing Commander Andy Green OBE MA RAF***The fastest man on earth*Venue: KLT1 |
| 10.0010.45 | **Coffee Break****Poster Presentations**Venue: Keynes lobby |
| 10.4511.1511.4512.15 | Paper session 6aVenue: KLT1*Capstone Project Online Assessment Tool Without the Paper Work*Vivienne Farrell, Graham Farrell, Paul Kindler, Gil Ravalli & David Hall, Swinburne University, Australia*Project-based Learning within a Large-scale Interdisciplinary Research Effort*Maria Gorlatova, John Sarik, Peter Kinget, John Kymissis, Gil Zussman, Columbia University, USA*A Comparison of Two Iterations of a Software Studio Course Based on Continuous Integration*William Billingsley, NICTA, AustraliaJim Steele, The University of Queensland, Australia | Paper Session 6bVenue: KLT5*Commercial Aspects Of Contract Cheating*Robert Clark, Thomas Lancaster, Birmingham City University, UK*Exploring the effects of Collaboration Scripts embedded in a Distributed Pair Programming System*Despina Tsompanoudi, Maya Satratzemi & Stelios XinogalosUniversity of Macedonia, Greece*Investigation into the Personal Epistemology of Computer Science Students*Roger McDermott, Robert Gordon University, UK, Mats Daniels & Åsa Cajander, Uppsala University, SwedenCary Laxer, Rose-Hulman Institute of Technology, USA, Iain Pirie, Robert Gordon University, UK | Panel session 2Venue: KLT6*Beyond Computer Science: Computational Thinking Across Disciplines*Amber Settle, DePaul University, Debra Goldberg, University of Colorado Boulder, Valerie Barr, Union College, USA |
| 12.151.30 | **Lunch**Venue: Rutherford dining hall |
| 1.302.002.303.00 | Paper session 7aVenue: KLT1*Assistance in computer programming learning using educational data mining and learning analytics*Carlos Fernandez-Medina, Jaun Ramon Pérez-Pérez, Victor Álvarez-García, M. del Puerto Paule-Ruiz. University of Oviedo, Spain*Towards Improving Programming Habits to Create Better Computer Science Course Outcomes*Jaime Spacco, Knox College, USADavide Fossati, Carnegie Mellon University in Qatar, Kelly Rivers & John Stamper, Carnegie Mellon University, USA*CodeSpells: Embodying the Metaphor of Wizardry for Programming*Sarah Esper, Stephen Foster & William G. Griswold, University of California, San Diego, USA | Paper Session 7bVenue: KLT5*Making Computing Interesting To School Students: Teachers’ Perspectives*Jonathon Black, Jo Brodie, Paul Curzon, Christie Myketiak & Peter McOwan, Queen Mary University of London, UK*High School Students’ Perspective to University CS1*Antti-Jussi Lakanen & Ville Isomöttönen, University Of Jyväskylä, Finland*Nationwide Exam as a Tool to Improve New Curriculum*Iris Zur Bargury, Ministry of Education, Israel | Tips and TechniquesVenue: KLT6*The Royal Society of Edinburgh/British Computer Society Computing Science Exemplification project*Jeremy Scott, The Royal Society of Edinburgh/British Computer Society *The Influence of Students Distribution on their Grades*Carlos Herrero, Marisa Llorens, Javier Oliver, Josep Silva & Salvador Tamarit, Universitat Politècnica de València, Spain*Interactive Lectures Using Quick Response Codes*Bobby Law, Glasgow Caledonian University, UK*Dr. Horrible's Fork Bomb: A Lab for Integrating Security Issues in CS2*Elizabeth Patitsas & Daniel Levy, University of Toronto, Canada*First, Do No Harm: A Curricular Approach to Reliability*Duane Buck, Otterbein University, USA*A Location Prediction Project on Mobile Devices*Chris McDonald, University of Western Australia*Sofia: The Simple Open Framework for Inventive Android Applications*Stephen Edwards & Anthony Allevato, Virginia Tech, USA*Reducing novice C programmers' frustration through improved runtime error checking*Matthew Heinsen Egan & Chris McDonald, University of Western Australia*Jump-Starting Team-Based Learning in the Computer Science Classroom*Adrian German, Indiana University, USA |
| 3.003.30 | **Coffee break**Venue: Keynes lobby |
| 3.304.004.305.00 | Paper session 8aVenue: KLT1*Serious Toys II: Teaching networks, Protocols and Algorithms*Yvon Feaster, Clemson University, Farha Ali, Lander University, Jiannan Zhai & Jason Hallstrom, Clemson University, USA*Evaluating Student Understanding of Core Concepts in Computer Architecture*Leo Porter, Skidmore College, USA, Saturino Garcia, University of San Diego, USAHung-Wei Tseng University of California, San Diego, USADaniel Zingaro, University of Toronto, Canada*Using Network Packet Generators and Snort Rules for Teaching Denial of Service Attacks*Zouheir Trabelsi & Latifa Al Ketbi, UAE University, United Arab Emirates | Paper session 8bVenue: KLT5*Concept Specification Maps - displaying content structures*Marc Berges & Peter Hubweiser,Technische Universität München, Germany*Applying Software Engineering in CS1*Wei Kian Chen & Brian Hall, Champlain College, USA*Games for Teaching Software Development*Bruce Scharlau, University of Aberdeen, UK | Panel session 3Venue: KLT6*Hot Fusion: Music, Art, and Computer Science Education*Jennifer Burg, Wake Forest University, Susan Reiser & Wayne Kirby, UNC Asheville, USA |
| 5.005.30 | **Closing Address & Awards**Venue: KLT1 |
| 6.30 | **Buses depart Keynes Bus Stop for the****Conference banquet** |