Koli Calling 2012 Program (tentative)

Thursday 15th november

19:15 Transportation to Koli

- 19:15 *Kuopio Railway Station (train Pendolino 7 from Helsinki at 19:18)*
- 20:00 *Kuopio Airport (flight AY3885 from helsinki 20:05)*
- 21:30 Arrival at Tahko

21:30 Welcome buffet available

Friday 16th november

07:00 - 09:00 Breakfast

08:30 Registration

09:00 Opening

09:15 Session 1 Chair: Ari Korhonen

- Maria Knobelsdorf, Essi Isohanni and Josh Tenenberg: The Reasons Might be Different – Why Students and Teachers Do Not Use Visualization Tools (R)
- Ville Karavirta, Juha Helminen, and Petri Ihantola A Mobile Learning Application for Parsons Problems with Automatic Feedback (S)
- Teemu Sirkiä and Juha Sorva: Exploring Programming Misconceptions (R)

10:30 Coffee break

11:00 Session 2 Chair: Roman Bednarik

- Carsten Schulte, Valentina Dagiene, Anna Eckerdal, Malte Hornung, Tatjana Jevsikova, Anne-Kathrin Peters, Sue Sentance and Neena Jawaharlal Thota Computer Science at School / CS Teacher Education – Koli Working-group report on CS at School (R)
- Einari Kurvinen, Rolf Lindén, Teemu Rajala, Erkki Kaila, Mikko-Jussi Laakso and Tapio Salakoski: Computer-assisted Learning in Primary School Mathematics Using ViLLE Education Tool (S)
- Jan Lönnberg and Lauri Malmi: Back to School – How Professional Software Developers Develop and Test Software in an Educational Context (R)

12:15 Lunch

13:30 Session 3 Chair: Simon

- Edurne Larraza Mendiluze and Nestor Garay-Vitoria: A comparison between Lecturers' and Students' Concept Maps Related to the Input/Output Topic in Computer Architecture (D)

- Ira Diethelm and Stefan Zumbrägel: An investigation of secondary school students' conceptions on how the Internet works (R)

- Ville Tirronen and Ville Isomöttönen: Can we support self-directed learning of programming with the design of effective learning materials? (D)

14:40 Coffee break

15:15 Session 4: Otto Seppälä

- Ahmad Taherkhani, Ari Korhonen and Lauri Malmi: Automatic Recognition of Students' Sorting Algorithm Implementations in a Data Structures and Algorithms Course (R)

- Luis Llana, Enrique Martin-Martin and Cristóbal Pareja-Flores: FLOP, a Free Laboratory Of Programming (S)

- Peng Wang, Roman Bednarik and Andrés Moreno: During automatic program animation, explanations after animations have greater impact than before animations (R)

16:30 Programme ends, free discussion and prepare for dinner.

17:30 Dinner

20:30 Sauna

Saturday

08:00 - 09:00 Breakfast

9:00 Keynote: Marian Petre. MOOCs: Old Snake Oil in New Barrels?

10:00 Coffee break

10:30 Session 5: Carsten Schulte

- Carol Zander, Anna Eckerdal, Robert McCartney, Jan Erik Moström,Kate Sanders, Lynda Thomas, and Jonas Boustedt: Self-Directed Learning: stories from industry (D)

- Roman Bednarik and Adam Herout: What Students Want: A Study on the Role of Supervisor of Final Works in Computing Education (R)
- Marc Berges, Andreas Mühling and Peter Hubwieser: The Gap Between Knowledge and Ability (D)

11:40 Poster presentation Chair: Ilkka Jormanainen

- Marc Berges and Peter Hubwieser. Towards an Overview Map of Object-Oriented Programming and Design
- Michail Giannakos, Peter Hubwieser and Nikos Chrisochoides. Students' Perceptions of the Differences Between ICT and Programming Courses
- Lasse Hakulinen. DSAsketch: Data Structures and Algorithms Drawing Game
- Jonne Itkonen. Test-driven Lecturing
- Violeta Jadzgeviciene and Jurate Urboniene. Cooperation in Programming Learning
- Andreas Muehling and Peter Hubwieser. Towards Software-Supported Large Scale Assessment of Knowledge Development
- Teemu Mäntyharju, Matti Koivula, Mikko-Jussi Laakso and Tapio Salakoski. Virtual Tutoring Material Supporting Student Counseling
- Elizabeth Patitsas, Vanessa Kroeker, Rachel Jordan and Kimberly Voll. Teaching CPU Architecture: A New Way to Provide Effective Scaffoldin

12:10 Lunch and free time for exploring of the Tahko area

15:30 Coffee break

15:40 Poster session continues

16:40 Session 6 : Chair: Maria Knobelsdorf

- Giora Alexandron, Michal Armoni, Michal Gordon and David Harel: The Effect of Previous Programming Experience on the Learning of Scenario-Based Programming (R)
- Simon, Judy Sheard, Angela Carbone, Daryl D'Souza, James Harland and Mikko-Jussi Laakso: Can computing academics assess the difficulty of programming examination questions? (D)

17:30 PC meeting

19:00 Dinner

20:30 Sauna

Sunday

08:00 - 09:00 Breakfast

09:10 Session 7: Valentina Dagiene

- Ira Diethelm, Peter Hubwieser and Robert Klaus: Students, Teachers and Phenomena: Educational Reconstruction for Computer Science Education (R)
- Tommi Lahtonen and Ville Isomöttönen: PARSI: A Tool for Automatic Assessment of Office Documents and Basic IT Skills (S)

10:00 Closing ceremony & a special session: TBA

11:00 Coffee

12:00 Departure

- 12:00 *Departure from Tahko*
- 13:00 *Kuopio Airport (AY3876 to Helsinki at 14:25)*
- 13:40 *Kuopio railway station (Pendolino 76 to Helsinki at 13:56)*