|  |
| --- |
| **July 1, Wednesday** |
| **11.00** | **Registration (Building III Foyer)** |
|  | To enter the Parliament Buildings please have your passport or ID card with you. |
| **12.00** | **Guided tour in the Parliament (Seimas)** |
| **13.00** | **Lunch**  |
| **14.00** | **Opening Session** |
| Chair: Valentina Dagienė |
| **Room**: Konstitucijos salė |
| *Raimundas Paliukas.* Chair of the Committee on Education, Science and Culture, The Seimas of Republic of Lithuania |
| *Svetlana Kauzonienė.* Vice Minister of Education and Science of Republic of Lithuania |
| *Gintautas Dzemyda*. Director of Institute of Mathematics and Informatics Vilnius University |
| **14.30** | **Keynote** |
| Chair: Valentina Dagienė |
| **Room**: Konstitucijos salė |
| *Don Passey* |
| Computer Science or Information And Communication Technologies: The Curriculum Needs Both |
| **15.30** | **Coffee Break/Poster Exhibition** |
| **Place**: Seimas Restaurant/Building III Foyer |
| **15.35** | (**P**\*) *Irena Patašienė, Martynas Patašius and Gražvidas Zaukas* |
| [Facing the upcoming challenges in vocational training with mobile learning](https://easychair.org/conferences/review_for_paper.cgi?paper=2246452;a=8167614) |
| **15.45** | (**P**\*) *Adrian Wilke, Marina Kowalewski, Johannes Magenheim and Melanie Margaritis.* |
| [Facing the upcoming challenges in vocational training with mobile learning](https://easychair.org/conferences/review_for_paper.cgi?paper=2246452;a=8167614) |
| **16.00** | **Paper session W1: Computational Thinking** | **Paper session W2: Learning analytics in programming** | **Doctoral Consortium** |
| Chair: Eric Sanchez | Chair: Sindre Røsvik | Chair: Don Passey |
| **Room**: Konstitucijos salė | **Room**: Baltijos Asamblėjos salė | **Room**: Vitražo galerija (*Stained Glass Gallery*),I rūmai., I aukštas |
| **16.00** | [*Mark Dorling*](http://www.markdorling.net/)*, Cynthia Selby and John Woollard*Evidence of Assessing Computational Thinking | *Daniel Toll, Tobias Olsson, Anna Wingkvist and Morgan Ericsson*Fine-Grained Recording of Student Programming Sessions to Improve Teaching and Time Estimations | *Silvio Giaffredo* |
| Informatics in Italian Secondary Schools: competences re-engineered |
| *Gabrielė Stupurienė* |
| Computational modelling of the fundamental informatics concepts through interactive tasks |
| **16.30** | *Tauno Palts and Margus Pedaste*Model of Learning Computational Thinking | *Aivar Annamaa, Annika Hansalu and Eno Tonisson*Automatic analysis of students' solving process in programming exercises | *Tauno Palts*Model of Learning Computational Thinking |
| *Airina Savickaitė* |
| Intelligent personalised learning |
| **17.00** | *Miroslava Cernochova, Mark Dorling and Lawrence Williams*Developing Computational Thinking Skills through the Literacy from Scratch project, an International Collaboration | *Ekaterina Yagunova,* [*Sergei Pozdniakov*](http://www.eltech.ru/)*, Nina Ryzhova, Evgenia Razumovskaia and Nikolay Korovkin*Analyses of difficulty and complexity of items in international on-line competition “Beaver” | *Maiko Shimabuku*An AR Tool for Understanding Quicksort Algorithm |
| *Volkan Kukul* |
| Delivering and Assessing Computing Thinking Skills through Integration to National Curricula |
| **17.30** | **Panel** | **Paper session W3: Approaches to learning programming (short papers)** | **Doctoral Consortium (continued)** |
| Chair: Niki Davis | Chair: Peter Micheuz | Chair: Don Passey |
| **Room**: Konstitucijos salė | **Room**: Baltijos Asamblėjos salė | **Room**: Vitražo galerija, I rūmai., I aukštas |
| **17.30** | *Niki Davis, Mary Webb and David Gibson*Promoting a new culture of learning with EDUsummIT and UNESCO | (**SP**\*\*) *Bruce Scharlau, Janet Carter and Nigel Beacham*Songs are the tapping of keys… Coding events for Kids | *Jo-Yu Lee*A Case Study of Undergraduate Students’ Perception of Passion and Creativity in Science and Technology in Taiwan |
| *Maria Ventura* |
| WhatsApp in lower secondary school. Can technology support inclusion? |
| **17.50** | (**SP**\*\*) *Motoki Hirao, Yoshiaki Matsuzawa and Sanshiro Sakai* | [*Peter Doe*](http://www.utas.edu.au/)Investigating students’ engagement in an engineering degree through technology enhanced learning |
| Compile Error Collection Viewer: Visualization of Learning Curve for Compile Error Correction |
| [*Justina Naujokaitien*](http://www.vdu.lt/en/)*ė*Collaborative learning using ICT. Creation, implementation and evaluation of pedagogical scenario |
| **18.10-18.30** | (**SP**\*\*) *Takashi Ohata, Yoshiaki Matsuzawa and Sanshiro Sakai*MeRV: A Scaffold to Promote Creating 2D Map of Method Call Structure in Block-based Programming Language | *Seeta Jaikaran-Doe* |
| Parallel Analysis- Accuracy in factor retention |
|  |
| **July 2, Thursday** |
| **9.00** | **Keynote** |
| Chair: Anita Juškevičienė |
| **Room**: Konstitucijos salė |
| *Eugenijus Kurilovas* |
| Application of Intelligent Technologies in Computer Engineering Education |
| **10.00** | **Paper Session T1: Curriculum challenges** | **Paper Session T2: Tangible programming and physical computing** | **Paper Session T3: Learner perspectives** |
|  | Chair: Johannes Magenheim | Chair: Monique Grandbastien  | Chair: Vladimiras Dolgopolovas |
| **Room**: Konstitucijos salė | **Room**: Baltijos Asamblėjos salė | **Room**: Konservatorių frakcijos salė, III rūmai, 218b salė |
| **10.00** | *Tamar Benaya, Valentina Dagienė and Ela Zur* | *Michael Weigend*Creating Digital Devices in Science Classes | *Yaacov Katz*Affective and Cognitive Correlates of Cell-phone Based SMS Delivery of Learning: Learner Autonomy, Learner Motivation, Learner Satisfaction and Academic Achievement |
| CS High School Curriculum – A Tale of Two Countries |
| **10.30** | *Kathrin Müller*What do we expect from graduates in CS? First results of a survey at university and company as part of a methodology for developing a competence model | *Kristina Bespalova, Vytautas Štuikys and Renata Burbaitė* | [*Bent Andresen*](http://www.dpu.dk/om/bba)1:1 classroom – for what purpose? |
| CS-Oriented Robot-Based GLOs Adaptation through the Content Specialization and Generation |
| **11.00** | **Coffee Break/Poster Exhibition** |
| **Place**: Seimas Restaurant/Building III Foyer |
| **11.05** | (**P**\*) *R. Robert Gajewski* |
| Flipped classroom: Can it motivate digital natives to learn? |
| **11.15** | (**P**\*) *Silvio Giaffredo and Luisa Mich* |
| Bring Computer Science Competences into Italian Secondary Schools |
| **11.30** | **Panel** | **Paper Session T4: Teacher perspectives for ICT and computing** | **Paper Session T5: Assessing computing capabilities** |
| **11.30** | Chair: Mary Webb | Chair: Tani Seiichi  | Chair: Christine Bescherer  |
| **Room**: Konstitucijos salė | **Room**: Baltijos Asamblėjos salė | **Room**: Konservatorių frakcijos salė, III rūmai, 218b salė |
| **11.30** | *Mary Webb, Niki Davis, Yaacov Katz, Maciej Sysło and Nicholas Reynolds.*Towards deeper understanding of the roles of CS/ Informatics in the curriculum | [*Sue Sentance*](http://www.kcl.ac.uk/sspp/departments/education/people/academic/Sentance%2C-Dr-Sue.aspx) *and Andrew Csizmadia*Teachers’ perspectives on successful strategies for teaching Computing in school | *Vladimiras Dolgopolovas, Tatjana Jevsikova, Loreta Savulionienė and Valentina Dagienė*On Evaluation of Computational Thinking of Software Engineering Novice Students |
| **12.00** | *Kerstin Drossel, Birgit Eickelmann and Julia Gerick.* | *Hans Frederik*Professional field involvement in ICT curricula at the Dutch UaS |
| Computer use in class: the significance of educational framework conditions, attitudes and background characteristics of secondary school teachers on a level of international comparison |
| **12.30** |  | *Seeta Jaikaran-Doe*LEM-TL: Analytical educational framework for the eCAL program | (**SP\*\***) *Gabrielė Stupurienė and Eglė Jasutė* |
| Finding Threshold Concepts in Computer Science Contest |
| **13.00** | **Lunch Break/Poster Exhibition**  |
| **Place**: Seimas Restaurant/Building III Foyer |
| **IFIP WG 3.1 and 3.3 meetings** | **IFIP WG 3.7 meeting** |
| **13.30** | Chair: Eric Sanchez | Chair: Don Passey |
| **Room**: Konstitucijos salė | **Room**: Konservatorių frakcijos salė, III rūmai, 218b salė |
|  |  |  |
| **13.30** | IFIP WG 3.1 | IFIP WG 3.7 |
| Open Annual General Meeting of IFIP WG 3.1 - Informatics and Digital Technologies in School Education | Open Annual General Meeting of IFIP WG 3.7 - Information Technology in Educational Management |
| **14.30** |  | **Panel Discussion (Interactive session)** |
|  | Chair: Mary Webb | Chair: Raymond Morel |
| **Room**: Konstitucijos salė | **Room**: Konservatorių frakcijos salė, III rūmai, 218b salė |
| IFIP WG 3.3Open Annual General Meeting of IFIP WG 3.3 - Research on Education Applications of Information Technologies | *Raymond Morel with experiences namely from Rwanda, Kenya, Nepal* |
| *Information Security Education & Solidarity (ISES): Sharing Strategies, Implementation, and Experience: Stimulation new Action* |
| A more detailed description is available as a webpage at[**http://www.ifip2015.mii.vu.lt/ISES**](http://www.ifip2015.mii.vu.lt/ISES) |
| **15.30** | **Coffee Break/Poster Exhibition** |
| **Place**: Seimas Restaurant/Building III Foyer |
| **15.35** | (**P**\*) *Lynne Dagg and Steven Haswell* |
| Understanding Operating Systems: Considering alternative pedagogies and tools which may be utilised by teachers |
| **15.45** | (**P**\*) *Toshinori Saito* |
| Teaching Programming in Terms of Supporting Socially Vulnerable Youths: A Qualitative Study of Capability Expansion and Approaching Digital Equity through Computing Education |
| **16.00** | **Paper Session T6: Innovative approaches to teaching and learning** | **Paper Session T7: Online learners experiences** | **Panel Discussion (continued)** |
| Chair: Gerald Futschek | Chair: Silvio Giaffredo | Chair: Raymond Morel |
| **Room**: Konstitucijos salė | **Room**: Baltijos Asamblėjos salė | **Room**: Konservatorių frakcijos salė, III rūmai, 218b salė |
| **16.00** | (**SP**\*\*) [*Christine Bescherer*](http://www.ph-ludwigsburg.de/)Development of Interactive Teaching and Learning Materials for Bilingual Mathematics Education | (**SP**\*\*) *Armelle Brun, Monique Grandbastien, Julie Henry and Etienne Vandeput*Needs analysis for an online learning service | *Raymond Morel with experiences namely from Rwanda, Kenya, Nepal*Information Security Education & Solidarity (ISES): Sharing Strategies, Implementation, and Experience: Stimulation new Action |
| **16.20** | (16.20-16.50) *Hasan Gürbüz, Bengisu Evlioğlu, Tuğçe Açıkgöz, Talat Demir, Kerem Hancı, Sevinç Gülseçen and Hulusi Gülseçen* | (**SP**\*\*) *Zdena Lustigova and Pavel Brom* | A more detailed description is available as a webpage at<http://www.ifip2015.mii.vu.lt/ISES> |
| Motivation and Disengagement of Online Students in Remote Laboratories |
| **16.40** | “What’s the weather like today?”: a computer game to develop algorithmic thinking and problem solving skills of primary school pupils | (**SP**\*\*) *Gioko Maina and Rosemary Waga*  |  |
| Experiences of primary school teachers undertaking on-line professional learning sessions in Kenyan coastal county |
| **17.00** | **Guided Sightseeing** **and Conference Dinner** |
| **Place**: Seimas Palace, Building II Entrance (in front of the Neris River), Gediminas ave. 53 |
|  |

|  |
| --- |
| **July 3, Friday** |
| **9.00** | **Keynote** |
| Chair: Valentina Dagienė |
| **Room**: Konstitucijos salė |
| *Peter Hubwieser* |
| Personal Learning Environments in Future Learning Scenarios |
| **10.00** | **Paper session F1: Digital literacy and competences** | **Doctoral Concortium (continued)** | **Panel Discussion(Interactive session)** |
| Chair:Ana Amelia Carvalho | Chair: *Don Passey* | Chair: *Raymond Morel* |
| **Room**: Konstitucijos salė | **Room**: Baltijos Asamblėjos salė | **Room**: Konservatorių frakcijos salė, III rūmai, 218b salė |
| **10.00** | *Mohammad Hadi Hedayati and Mart Laanpere*Analysing the Skill Gaps of the Graduates of Vocational ICT Programs in Afghanistan | Answering questions and final discussionwith doctoral students | *Raymond Morel, Ramon Puigjaner, and Mariana Patru experts participating to the Working Conference* |
|  | Digital Equity in Developed and Developing Countries (DEDDC):* Discovering the actual status of this IFIP project
* Cooperation with WSIS action lines (IUT, Unesco, Unctad, …)
* How TC3 among the other IFIP TCs can contribute?
* Sharing National Strategies
* Emerging roadmap Cont.
* Cooperation with Unesco
* Planning till WCCE’2017

A more descriptive text is available as a webpage at <http://www.ifip2015.mii.vu.lt/DigitalEquity> |
| **10.30** | *Irene Okere, Johan van Niekerk and Kerry-Lynn Thomson*A Critical Evaluation of Information Security Education in Nursing Science: a Case Study |  |
|  |
|  |  |
| **11.00** | **Coffee Break/Poster Exhibition**  |
| **Place**: Seimas Restaurant/Building III Foyer |
| **11.30** | **Paper session F3: Games &Gamification** | **Symposium: Scaling up digital pedagogy and innovation in the classroom: research challenges** | **Paper session F5: Collaborative learning** |
| Chair: Gerald Futschek | Chair: Don Passey | Chair: Sindre Røsvik |
| **Room** : Baltijos Asamblėjos salė | **Room**: Konstitucijos salė | **Room**: Konservatorių frakcijos salė, III rūmai, 218b salė |
| **11.30** | *Eric Sanchez, Shawn Young and Caroline Jouneau-Sion*Classcraft: from gamification to ludicization | *Keith Turvey and Norbert Pachler*A problem spaces approach to pedagogical innovation through digital technologies | *Martyn Thayne, Bjoern Stockleben, Seija Jäminki, Ilkka Haukijärvi, Nicholas Mavengere, Muhammet Demirbilek and Mikko Ruohonen* |
| On Create and the Virtual Teammate: An analysis of online creative processes and remote collaboration |
|  |  |  |  |
| **12.00** | *Sónia Cruz, Ana Amélia Carvalho and Inês Araújo*Learning History: a gamified activity for mobile devices | *Niki Davis and Julie Mackay*Co-evolutionary perspectives on innovation with digital technologies in education | *Yuya Kato, Yoshiaki Matsuzawa and Sanshiro Sakai* |
| Promoting collaborative programming for introductory programming courses through an “individual work branch and real-time sharing” approach |
| **12.30-12.50** | (**SP**\*\*) *Nicholas Mavengere and Mikko Ruohonen*Gamification in business process management for a mobile context: Industry and Higher Education Viewpoint | *Nicholas Reynolds*Recognising, Celebrating and Defining Innovation: The Telematics Charitable Trust’s approach to grant allocation | *Tetiana Kovaliuk and Olena Chaikovska*Modernization and integration of IT education in Ukraine to international and Europe educational environment: problems and perspectives |
|  |
|  |  | *Sue Cranmer and Cathy Lewin* |  |
| iTEC: Addressing the challenge to develop and identify innovation in European classrooms |
| **13.00** | **Lunch**  |
| **Place**: Seimas Restaurant/Building III Foyer |
| **14.00-15.00** | **Reports of Working Groups and Closing Address** |
| **Room**: Konstitucijos salė  |
| **16.00-17.00** | **Guided tour in the Parliament (for TC3)** |
| **18.00** | **IFIP TC3 Committee Dinner** |
| **Place:** Seimas Restaurant  |
|  |
| **July 4, Saturday** |
| **9.00 – 17.00** | **IFIP TC3 Annual Meeting**  |
|  | **Room**: Baltijos Asamblėjos salė, II rūmai |
| **10.30– 11.00** | **Coffee Break** |
| **12.30– 13.30** | **Lunch** |
| **15.00– 15.30** | **Coffee Break** |
| **18.00** | **IFIP TC3 Committee Dinner** |
|  | **Place:** Mykolo-4 Restaurant. Address: Šv. Mykolo str. 4-1, Vilnius Old Town |
|  |
| **July 5, Sunday** |
| **9.00– 15.00** | **IFIP TC3 Annual Meeting** |
|  | **Room**: Baltijos Asamblėjos salė, II rūmai |
| **10.30– 11.00** | **Coffee Break** |
| **12.30– 13.30** | **Lunch** |