Constructionism 2018

Constructionism, computational thinking and educational innovation

Vilnius, Lithuania, August 21 to 25

PROGRAMME

Monday, August 20, 2018: Teachers‘ day (Pre-Conference)	
9.00 – 10.00	Registration
10.00 – 12.00	Welcome and Plenary Speakers
12.00 – 13.00	Lunch
13.00 – 15.00	Workshops in parallel **Workshop 1**: Dynamic Teaching Ideas for teaching Music Theory. Judith Bell (New Zealand) *Target audience: primary school teachers & music teachers* **Workshop 3**: Developing Algebraic habits of mind in students. Paul Goldenberg (USA) *Target audience: mathematics teachers for students ages 11–18* **Workshop 4**: Puzzles & Programming to develop mathematical habits of mind in children. Paul Goldenberg (USA) *Target audience: primary school teachers for students ages: 6–10* **Workshop 5**: Powerful ideas in lower primary programming: high time to recognize them. Ivan Kalaš (Slovakia) *Target audience: educators interested in lower primary computing (pupils aged 5 to 9) and general primary teachers* **Workshop 6**: SNAP! - Beauty & Joy of Computing (visually). Witek Kranas (Poland) *Target audience: informatics teachers, lower and upper secondary schools (6-12 grades).* **Workshop 7**: ViLLE – Electronic Learning Path for Mathematics and Programming. Mikko-Jussi Laakso (Finland) *Target audience: primary school teachers* **Workshop 8**: Constructionism in Action: Do we Need to Start from Scratch? Evgenia Sendova, Nikolina Nikolova. (Bulgaria) *Target audience: all teachers* **Workshop 9**: Teaching Coding and Physical Computing. Gary Stager (USA) *Target audience: all teachers* **Workshop 10**: The Essence of Programming at School – Logo in a Spiral Curriculum. Jacqueline Staub (Switzerland) *Target audience: primary and lower secondary school teachers* **Workshop 11**: How to Create and Sustain a Progressive Pedagogy in a Traditional Setting (Roundtable Discussion). Carol Sperry Suziedelis (USA) *Target audience: all teachers* **Workshop 12**: Informatics in the UK Schools: Reality and Challenges. Algirdas Pakštas (Lithuania) *Target audience: informatics teachers, lower and upper secondary schools (6-12 grades).*
15.00 – 15.30	Coffee break
	Workshops in parallel **Workshop 2**: Computer Science Unplugged for Teachers. Tim Bell (New Zealand) *Target audience: primary school teachers* **Workshop 5**: Powerful ideas in lower primary programming: high time to recognize them. Ivan Kalaš (Slovakia) *Target audience: educators interested in lower primary computing (pupils aged 5 to 9) and general primary teachers* **Workshop 6**: SNAP! - Beauty & Joy of Computing (visually). Witek Kranas (Poland) *Target audience: informatics teachers, lower and upper secondary schools (6-12 grades).* **Workshop 7**: ViLLE – Electronic Learning Path for Mathematics and Programming. Mikko-Jussi Laakso (Finland) *Target audience: primary school teachers* **Workshop 8**: Constructionism in Action: Do we Need to Start from Scratch? Evgenia Sendova, Nikolina Nikolova. (Bulgaria) *Target audience: all teachers* **Workshop 9**: Teaching Coding and Physical Computing. Gary Stager (USA) *Target audience: all teachers* **Workshop 10**: The Essence of Programming at School – Logo in a Spiral Curriculum. Jacqueline Staub (Switzerland) *Target audience: primary and lower secondary school teachers* **Workshop 11**: How to Create and Sustain a Progressive Pedagogy in a Traditional Setting (Roundtable Discussion). Carol Sperry Suziedelis (USA) *Target audience: all teachers* **Workshop 12**: Informatics in the UK Schools: Reallity and Challenges. Algirdas Pakštas (Lithuania) *Target audience: informatics teachers, lower and upper secondary schools (6-12 grades).*
17.00 – 18.00	Reflections and Panel Discussion

Tuesday, August 21, 2018			
8.30 – all day	Registration		
10.00 – 11.30	Excursion to Old Vilnius University		
11.30 – 13.00	Excursion to Old Vilnius University		
14.30 – 16.00	Opening Rimantas Želvys Plenary Speaker 1		
16.00 – 16.30	Coffee break		
16.30 – 17.15	Plenary Speaker 2		
17.15 – 18.00	Panel Discussion		
18.00 – 19.00	Welcome Reception		
Wednesday, August 22, 2018			
8.30 – 11.00	Plenary Speaker 3 + Discussion	Plenary Speaker 4 + Discussion	Plenary Speaker 5 + Discussion
11.00 – 11.30	Coffee break		
11.30 – 13.30	Paper session 1	Paper session 2	Paper session 3
13.30 – 14.30	Lunch		
14.30 – 16.00	Working Group1 Working Group 2 Working Group 3	Working Group 5 Working Group 6 Working Group 7	Working Group 4 Demonstrations Posters
16.00 – 16.30	Coffee break		
16.30 – 18.00	Paper session 4	Paper session 5	Workshop 1 Workshop 2
Thursday, August 23, 2018			
8.30 – 11.00	Plenary Speaker 6 + Discussion	Plenary Speaker 7 + Discussion	Plenary Speaker 8 + Discussion
11.30 – 13.30	Paper session 6	Paper session 7	Paper session 8
	Excursion		
	Dinner		
Friday, August 24, 2018			
8.30 – 11.00	Plenary Speaker 9 + Discussion	Plenary Speaker 10 + Discussion	Plenary Speaker 11 + Discussion
11.00 – 11.30	Coffee break		
	Paper session 9	Paper session 10	Workshop 3 Workshop 4
13.30 – 14.30	Lunch		
14.30 – 16.00	Plenary Speaker 12 + Discussion	Plenary Speaker 13 + Discussion	Plenary Speaker 14 + Discussion
16.00 – 16.30	Coffee break		
16.30 – 18.00	Paper session 11	Paper session 12	Workshop 5 Workshop 6

Saturday, August 25, 2018				
8.30 – 11.00	Plenary Speaker 15 + Discussion	Plenary Speaker 16 + Discussion	Plenary Speaker 17 + Discussion	Plenary Speaker 18 + Discussion
11.00 – 11.30	Closing			
13.00 – 20.00	*Post Conference Excursions* *(not included in Conference Fee)*			