



ICL2022 27-30 September 2022, Hilton Park Vienna, Austria

Session Overview

Date: Tuesday, 27/Sept/2022

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| 1:00pm - 2:45pm | W 01: Workshop Location: Technikum Wien – FH Room 1 | W 02: Workshop Location: Technikum Wien – FH Room 2 | W 03: Workshop Location: Technikum Wien – FH Room 3 |
| | Publish or Perish: Scientific Writing for a Top Journal Matthias Gottlieb, Matthias Utesch TU Munich, Germany | Workshop on Learning Objectives in Laboratories for Industry 4.0 Tobias R. Ortelt, Claudius Terkowsky, Konrad Boettcher TU Dortmund University, Germany | A Game-Based Approach to Teaching Calculus: Implications of the Research for STEM Courses Andre Thomas Texas A&M University, Department of Visualization, USA |
| 3:00pm - 4:45pm | W 04: Workshop Location: Technikum Wien – FH Room 1 | W 05: Workshop Location: Technikum Wien – FH Room 2 | W 06: Workshop Location: Technikum Wien – FH Room 3 |
| | OnLabEdu – Online Laboratories for School Education in Austria Christian Kreiter, Ingrid Krumpahls, Thomas Klinger, Ruwan Perera, Thomas Steinmetz FH Kaernten, Austria | Implementing Scalable, Accessible, and Engaging Student Learning Experiences Peter Martin Director of R&D, Quanser | The IEECP: A 180° Turnaround Towards Innovative STEAM Education Uriel Ruben Cukierman ¹ , Eduardo Vendrell Vidal ² ¹ Universidad Tecnológica Nacional, Argentina; ² Universitat Politècnica de València, Spain |
| 5:00pm | Conference Welcome Location: Technikum Wien – FH Lobby | | |

Date: Wednesday, 28/Sept/2022

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| 7:30am - 6:00pm | Registration open Location: Conference Lobby | | |
| 8:00am - 9:45am | W 07: Workshop Location: Park Suite 7 | W 08: Workshop Location: Park Suite 8 | X 01: Remote Presentations: Short papers Virtual location: Remote Presentation Room Chair: Juergen Koeberlein-Kerter, The University of Applied Sciences Würzburg-Schweinfurt |
| | IAOE Special Topic Workshop: Overcoming Instructional Boundaries Through Online Laboratories in Engineering Education Dominik May, María Isabel Pozzo, Alexander A. Kist, Gustavo R. Alves, Igor M. Verner, Kristian Skyttv IAOE Vienna, Austria | Programmatic Accreditation in the STEM Disciplines and the Assessment of Student Learning & Outcomes Michael Milligan Executive Director, Chief Executive Officer ABET, USA | |
| 10:00am - 11:45am | W 09: Workshop Location: Park Suite 7 | W 10: Workshop Location: Park Suite 8 | X 02: Remote Presentations: Short papers Virtual location: Remote Presentation Room Chair: Andreas Pester, The British University in Egypt |
| | Peace Engineering (PENG) for a Sustainable Planet by 2030 Ramiro Jordan University of New Mexico - ISTEAC, USA | The Future Engineering Classroom: Introducing New Types Of Learning, Executive Function Processes, and the Effective Use of Practical Strategies Genny Villa Université de Montréal, Canada | |
| 12:30pm | P 01: Opening Session Location: Grand Klimt Hall | | |

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| 2:15pm | Chair: Michael E. Auer , IGIP General Secretary <ul style="list-style-type: none"> Opening address: Hanno Hortsch, IGIP President Greeting address: Elmar Pichl, Director General, Austrian Federal Ministry of Education, Science and Research Welcome address: Sabine Seidler, Rector TU Vienna Keynote: Sabine Herlitschka, CEO Infineon Technologies Austria AG: <p style="text-align: center;"><i>Technology as a Pacesetter for Education and Innovation</i></p> Greeting words: Jenna Carpenter, President American Society of Engineering Education (ASEE) Greeting words: Hans Juergen Hoyer, Secretary General of the International Federation of Engineering Education Societies (IFEEES) and the Global Engineering Deans Council (GEDC) Greeting address: Edmundo Tovar, President of the IEEE Education Society | | | |
| 2:20pm - 3:50pm | S 01-A: Full Papers Location: Grand Klimt Hall Chair: Alberto Cardoso , University of Coimbra | S 01-B: Full Papers Location: Park Suite 7 Chair: Eleonore Lickl , PHSt | S 01-C: Special Session: Games in Engineering Education (GinEE) Location: Park Suite 8 Chair: Matthias Christoph Utesch , FOS/BOS Technik München Chair: Andre Thomas , Texas A&M University, Department of Visualization | X 03: Remote Presentations SI: Advances in Machine and Technology Enhanced Learning (AMTEL) Virtual location: Remote Presentation Room Chair: M. Samir Abou El-Seoud , The British University in Egypt (BUE) |
| 4:20pm - 6:15pm | S 02-A: Full Papers Location: Grand Klimt Hall Chair: Ralph Dreher , University of Siegen | S 02-B: Full Papers Location: Park Suite 7 Chair: Gabriele Schachinger , BMLV | S 02-C: Special Session: Technology Enhanced Learning (TEL) Location: Park Suite 8 Chair: Ranjan Dasgupta , NITTR, KOLKATA | X 04: Remote Presentations Virtual location: Remote Presentation Room Chair: Roberto Julián Mora Salinas , Tecnológico de Monterrey |
| 7:00pm | Festive Event 50 Years IGIP Location: TU Vienna 'Kuppelsaal' On invitation only | | | |

Date: Thursday, 29/Sept/2022

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| 7:30am - 6:00pm | Registration open Location: Conference Lobby | | | |
| 8:00am - 9:30am | S 03-A: Full Papers Location: Grand Klimt Hall Chair: Maria Teresa Restivo , LAETA-INEGI, Fac. Engineering, Univ Porto | S 03-B: Full Papers Location: Park Suite 7 Chair: Christian Madritsch , FH Kärnten | S 03-C: Special Session: DIGITALIZATION Trends in MASTER and DOCTORAL Research (DT-MDR) Location: Park Suite 8 Chair: Doru Ursutiu , "TRANSILVANIA" University - AOSR | X 05: Remote Presentations: Short papers Virtual location: Remote Presentation Room Chair: Tatiana Polyakova , Moscow Automobile and Road Construction State Technical University (MADI) |
| 9:30am - 4:00pm | PE: Poster Exhibition Location: Conference Lobby | | | |
| 9:45am - 10:45am | P 02: Plenary Session Location: Grand Klimt Hall Chair: Stefan Vorbach , Graz University of Technology <ul style="list-style-type: none"> Welcome address: Sylvia Geyer, Rector UAS Technikum Vienna Keynote: Xavier Fouger, Senior Director, Global Academia Programs, Dassault Systèmes: <i>Learning Ecosystems at the Edge of the Metaverse</i> Keynote: Paul Gilbert, CEO Quanser Canada: <i>Digital Transformation and Sustainable Engineering – Ideas in Action</i> | | | |
| 11:00am - 12:30pm | S 04-A: Full Papers Location: Grand Klimt Hall Chair: Herwig Rehatschek , Medical University of Graz | S 04-B: Full Papers Location: Park Suite 7 Chair: Konrad Boettcher , TU Dortmund University | S 04-C: Special Session: Entrepreneurship in Engineering Education 2022 (EIEE'22) Location: Park Suite 8 Chair: Jürgen Jantschgi , HTL Wolfsberg | X 06: Remote Presentations Virtual location: Remote Presentation Room Chair: Steffen Kersten , TU Dresden |
| 12:30pm - 1:30pm | Lunch Location: Restaurant | | | |
| 1:30pm - 2:45pm | P 03: Plenary Session Location: Grand Klimt Hall Chair: Paul Hanno Hortsch , IGIP <ul style="list-style-type: none"> Greeting address: David Guralnick, President of the International E-Learning Association (IELA) Keynote: Tarmo Soomere, President of the Estonian Academy of Sciences: <i>Green Transition as a Teaching, Engineering and Communication Challenge</i> Keynote: Michael Fors, Executive Leader, Corporate Division and Business Unit Development, Boeing Airplane Company: <i>Given Shifting and Disruptive Forces in the World Today, How Can Universities and the Private Sector Partner Together to Develop & Continuously Upskill Engineers?</i> | | | |
| 2:50pm - 4:20pm | S 05-A: Full Papers Location: Grand Klimt Hall Chair: Istvan Simonics , Óbuda University | S 05-B: Work-in-Progress Location: Park Suite 7 Chair: Christian Kreiter , FH Kärnten – gGmbH | S 05-C: Special Session: European Parameters of Engineering Pedagogy (EPEP) Location: Park Suite 8 Chair: Ivana Simonova , University of Ostrava | X 07: Remote Presentations SS: DIGITALIZATION Trends in MASTER and DOCTORAL Research (DT-MDR) Virtual location: Remote Presentation Room Chair: Horia Alexandru Modran , Transilvania University of Brasov |
| 4:45pm - 6:15pm | S 06-A: Full Papers Location: Grand Klimt Hall Chair: Uriel Ruben Cukierman , UTN | S 06-B: Short Papers Location: Park Suite 7 Chair: Michael Dietz , Technische Hochschule Nürnberg | S 06-C: Short papers Location: Park Suite 8 Chair: Matthias Gottlieb , Technical University of Munich | X 08: Remote Presentations Virtual location: Remote Presentation Room Chair: András Benedek , Budapest University of Technology and Economics |
| 7:00pm | Conference Dinner Location: TU Vienna 'Kuppelsaal' On invitation only | | | |

