

Conference Programme

16 - 17 March 2017

Grand Hotel Mediterraneo
Lungarno del Tempio, 44 – Florence – Italy





Thursday 16 March

Room A 9:35 – 10:50	Room B 9:35 – 10:50	Room C 9:35 – 10:50
Science Teachers' Training	Scientific Inquiries in Science Education	Gamification in Science Education

Coffee Break 10:50 - 11:00

Poster Session: 11:00 – 11:20

Room A 11:20 – 13:00	Room B 11:20 – 13:00	Room C 11:20 – 13:00
Science Education Projects and Initiatives	Studies in Science Education	New Technologies for Science Teaching

Lunch 13:00 – 14:30

Room A 14:30 – 16:35	Room B 14:30 – 16:35	Room C 14:30 – 16:35
Science Teachers' Training	Science Education in Secondary School	Science Education and Sustainability

Coffee Break 16:35 – 16:45

Poster Session: 16:45 – 17:05

Room A 17:05 – 18:45	Room B 17:05 – 18:45	Room C 17:05 – 18:45
Science Teachers' Training	Science Education Projects and Initiatives	Enhancing Student's Motivation

Friday 17 March

Room A 9:10 – 10:50	Room B 9:10 – 10:50	Room C 9:10 – 10:50
New Technologies for Science Teaching	Biology Education	Science Education at School

Coffee Break 10:50 - 11:00

Poster Session: 11:00 – 11:20

Room A 11:20 – 13:00	Room B 11:20 – 13:00	Room C 11:20 – 13:00
Studies in Science Education	Curricula Session Planning	Studies in Science Education

Lunch 13:00 – 14:30

Room A 14:30 – 16:10	Room B 14:30 – 16:10
Science and Language	Curricula Session Planning

Coffee Break 16:10 – 16:20

Poster Session: 16:20 – 16:30

Room A 16:30 – 17:45	Room B 16:30 – 17:45
Teaching Science to Children	Studies in Science Education



Thursday 16 March 2017

Morning Session: 9:00 – 13:00

Room A 9:00 – 9:10

Introductory Speech and Practicalities

Opening Speech 09:10 – 09:30

A Journey into the future of STEM Education: An Engineer's Tale
Joseph Walsh, Institute of Technology Tralee (Ireland)

Room A 9:35 – 10:50	Room B 9:35 – 10:50	Room C 9:35 – 10:50
Science Teachers' Training <i>Moderator: Bryan Wunar, Museum of Science and Industry (United States)</i>	Scientific Inquiries in Science Education <i>Moderator: Doris Elster, University Bremen (Germany)</i>	Gamification in Science Education <i>Moderator: Julia V. Clark, National Science Foundation (United States)</i>
A Teacher Education Approach for Integrated Science Instruction <i>Jasper Cirkel – Thomas Waitz, Georg-August-Universität Göttingen (Germany)</i> Empowering STEM-Teachers: Towards an Interdisciplinary STEM Didactical Approach <i>Heleen Bossuyt - Nele Vandamme, UCLL (Belgium)</i> Technology in Preschool: From Idea to Product <i>Ann Mutvei, Södertörn University (Sweden)</i>	Scientific Inquiry in the Digital Age <i>Ilya Levin, Tel Aviv University (Israel)</i> Socio-Scientific Inquiry Based Learning (SSIBL): Gearing Social Action to Scientific Knowledge <i>Ralph Levinson, University College London – Institute of Education (United Kingdom)</i> The Use of Inquiry-Based Instruction in Teaching Science for Elementary Students in Both Public and Sen Schools <i>Manal Aldaihani, The Puplic Authority for Applied Education & Training (Kuwait)</i>	The Use of Flipped Classroom and Gamification in Applied Powertrain Related Programs <i>Maria Thirouard, IFP School (France)</i> Game-Based Interface for Virtual Interactive Laboratory of Mechanics <i>Mikhail Karyakin, Southern Federal University (Russian Federation)</i> Master Course - Innovation Simulation Game <i>Börge Kummert, Campus02, Fachhochschule der Wirtschaft (Austria)</i>

Coffee Break 10:50 – 11:00

Poster Session: 11:00 – 11:20

Room A 11:20 – 13:00	Room B 11:20 – 13:00	Room C 11:20 – 13:00
Science Education Projects and Initiatives <i>Moderator: Börge Kummert, Campus02, Fachhochschule der Wirtschaft (Austria)</i>	Studies in Science Education <i>Moderator: Thomas Waitz, Georg-August-Universität Göttingen (Germany)</i>	New Technologies for Science Teaching <i>Moderator: Ilya Levin, Tel Aviv University (Israel)</i>
Space Science: A Vehicle for Education and Engagement in STEM – A Review of Current Initiatives in Science Education in Ireland <i>Marie Walsh, Limerick Institute of Technology (Ireland)</i> European Funding Programs for Scientific Research and Education <i>Elisabetta Delle Donne, Pixel (Italy)</i> An Overview of the Inaugural Kerry Science Festival <i>Joseph Walsh, Institute of Technology Tralee (Ireland)</i> The Changing Role of Museums in Advancing Science Education <i>Bryan Wunar - Nicole Kowrach, Museum of Science and Industry (United States)</i>	Closing the STEM Achievement Gap from a Unified Global Perspective <i>Julia V. Clark, National Science Foundation (United States)</i> Hemda - Unique Model of Science Education: The Benefits of Assembling Science Education <i>Tehilla Ben-Gai, Hemda (Israel)</i> Maps: A Visual Tool in the STEM Undergraduate Experience <i>Barbara Losoff - Deborah Hollis – Danny Long, University of Colorado Boulder (United States)</i> A New Framework for Measuring the Ethical Awareness and Perception Among Engineering Students in Higher Education <i>Bidyut Baruah - Manal Atesh, University of York (United Kingdom)</i>	Labdog: A Novel Web Technology to Promote Teaching, Learning, and Assessment in the Science Laboratory <i>Thomas Wilson, University of Southampton (United Kingdom)</i> Arousing Enthusiasm for STEM: Teaching 3D Printing Technology <i>Laura Thurn - Andreas Gebhardt, University of Applied Sciences Aachen (Germany)</i> Clicker Technology – an Alternative Pedagogical Tool for Physics Lessons <i>Joseph Anthony Fenech, Chiswick House School (Malta)</i> Promoting STEM via UMI: An Ecological Framing of CoPs in Networking and Networked Robotics <i>Clara Amato, University of Pisa (Italy)</i>

Lunch 13:00 - 14:30



Thursday 16 March 2017

Afternoon Session: 14:30 – 18:45

Room A 14:30 – 16:35	Room B 14:30 – 16:35	Room C 14:30 – 16:35
Science Teachers' Training <i>Moderator: Nicole Kowrach, Museum of Science and Industry (United States)</i>	Science Education in Secondary School <i>Moderator: Børge Kummert, Campus02, Fachhochschule der Wirtschaft (Austria)</i>	Science Education and Sustainability <i>Moderator: Andreas Gebhardt, University of Applied Sciences Aachen (Germany)</i>
<p>Sciences Teachers who Reflect their Teaching: Developing the PCK of Evolution and Nature of Science <i>Paulina Bravo Gonzalez, University College London, Institute of Education (United Kingdom)</i></p> <p>Creative Problem Solving as a Tool for Teaching Biology <i>Merike Kesler, University of Helsinki Development Centre Opinkirjo (Finland)</i></p> <p>Art Studies as Tools for Understanding Observations in Science <i>Jan-Eric Mattsson, Södertörn University (Sweden)</i></p> <p>Improving Science Education by Introducing "Core Science Teachers" to Local Cities in Japan <i>Yasushi Ogura, Saitama University (Japan)</i></p> <p>Training of Trainers STEM Build Program for Primary Science Teachers: An Initiative Towards STEM Education in School <i>Rose Amnah Abd Rauf, University of Malaya (Malaysia) Mohamad Sattar Rasul, Universiti Kebangsaan Malaysia (Malaysia)</i></p>	<p>Choosing a Textbook for Junior Cycle Science <i>Colm O Coileáin, Dublin City University (Ireland)</i></p> <p>The Influence of Age, Gender and Subject Choice on Logical and Lateral Thinking Skills in Science Students at Secondary Level <i>Julie Anne Cassar, De La Salle College (Malta) Martin Musumeci, University of Malta (Malta)</i></p> <p>Understanding Opportunity Structures in Eight Inclusive STEM High Schools: Critical Components in Theory of Action <i>Sharon J. Lynch, The George Washington University (United States)</i></p> <p>Evaluating the Long Term Impact of Live Science Demonstrations in an Interactive Science Show <i>Wendy Sadler, Cardiff University (United Kingdom)</i></p> <p>Scientific Imagination of Lower Secondary School Students in Thailand <i>Chaninan Pruekpramool, Srinakharinwirot University (Thailand)</i></p>	<p>The Use of Two-Tier Diagnostic Test to Explore Environmental Literacy <i>Teerada Longsiri - Chanyah Dahsah, Srinakharinwirot University (Thailand)</i></p> <p>Higher Wattage - Improving Energy Literacy through Experiential Learning at Multiple Levels <i>Carla Ramsdell, Appalachian State University (United States)</i></p> <p>Conversion of Waste Biomass into Second-Generation Biofuels in School Chemistry Education <i>Moritz Pemberneck, Georg-August-University Göttingen (Germany) Timm Wilke, Technische Universität Braunschweig (Germany)</i></p> <p>The Potentials of Nanoscience for the Implementation of an Education for Sustainable Development in Chemistry Class <i>Janina Dege – Thomas Waitz, Georg-August-University Göttingen (Germany)</i></p> <p>Science Teachers' Awareness of Education for Sustainable Development <i>Clara Vasconcelos - Joana Faria Oporto University (Portugal) Conceição Pereira, Instituto Politécnico de Lisboa, (Portugal)</i></p>

Coffee Break 16:35 – 16:45

Poster Session: 16:45 – 17:05

Room A 17:05 – 18:45	Room B 17:05 – 18:45	Room C 17:05 – 18:45
Science Teachers' Training <i>Moderator: Jan-Eric Mattsson, Södertörn University (Sweden)</i>	Science Education Projects and Initiatives <i>Moderator: Marie Walsh, Limerick Institute of Technology (Ireland)</i>	Enhancing Student's Motivation <i>Moderator: Mohamad Sattar Rasul, Universiti Kebangsaan Malaysia (Malaysia)</i>
<p>Analysis of the Emotions in the Teaching and Learning of Technology of High School Pre-Service Teachers <i>Guadalupe Martínez Borreguero, University of Extremadura (Spain)</i></p> <p>The Development of I2CARE Training Model for the Pre-Service Science Teachers to Enhance their TPACK Understanding <i>Sirapraph Srisupan, Srinakharinwirot University (Thailand)</i></p> <p>Evaluation of Informal Science Teaching Experience at Science Museum for Preservice Science Teachers <i>Wahyu Setioko, The Ohio State University (Indonesia)</i></p> <p>Are Pre-Service Teachers Ready for their Field Experiences? <i>Songpon Phadunghatthanakoon - Chanyah Dahsah, Srinakharinwirot University (Thailand)</i></p>	<p>Biomimicry : An Approach for Innovative STEM Projects in High School <i>Ruetai Chongsrud, National Science and Technology Development Agency, Ministry of Science and Technology (Thailand)</i></p> <p>Developing Scientific Creativity through STEM Project Based Learning Orientation <i>Mohamad Sattar Rasul, Universiti Kebangsaan Malaysia (Malaysia) Rose Amnah Abd Rauf, University of Malaya (Malaysia)</i></p> <p>Some Specific Methods for Knowledge Distribution of Intangible Cultural Heritage <i>Diana Stoyanova, State University of Library Studies and Information Technologies (Bulgaria)</i></p> <p>The Organizer of Sports and Recreational Events as Health Educator <i>Paweł Fryderyk Nowak, Opole University of Technology (Poland)</i></p>	<p>How Much Autonomy Do Students Need? <i>Gertraud Benke, University of Klagenfurt (Austria)</i></p> <p>Why do Students Fail in Formal Reasoning: Steps to Broadening the Explanatory Perspective <i>Tobias Häberlein, Albstadt-Sigmaringen University of Applied Sciences (Germany)</i></p> <p>Effects of Managing Element Interactivity on Student Achievement and their Academic Self-Concept in Science <i>Munirah S. Kadir, Australian Catholic University (Australia)</i></p> <p>The Reflective Reviewing Café – Qualitative Analyses of Students' Views on Nature of Science <i>Julia Birkholz - Doris Elster, University Bremen (Germany)</i></p>



Friday 17 March 2017

Morning Session: 9:10 – 13:00

Room A 9:10 – 10:50	Room B 9:10 – 10:50	Room C 9:10 – 10:50
New Technologies for Science Teaching <i>Moderator: Tobias Schmohl, Hamburg Center for University Teaching & Learning (HUL) (Germany)</i>	Biology Education <i>Moderator: Ann Mutvei, Södertörn University (Sweden)</i>	Science Education at School <i>Moderator: Sharon J. Lynch, The George Washington University (United States)</i>
<p>Using Apps as Digital Scaffolds for Science Learning in the Primary School <i>Garry Falloon, The University of Waikato (New Zealand)</i></p> <p>Science Education and Social Networks <i>Ombretta Pediconi, Istituto Zooprofilattico Sperimentale dell’Abruzzo e del Molise (IZSAM) (Italy)</i></p> <p>Usage FlexPDE Package in the Courses of Mathematical Modeling and Mechanics <i>Olga Pustovalova - Mikhail Karyakin, Southern Federal University (Russian Federation)</i></p> <p>Learning Analytics for Student’s Motivation <i>Margarita Elkina, HWR Berlin (Germany)</i></p>	<p>Anatomage Table: Are All Organ Systems Created Equal? <i>Stephanie M. Hutchins, Maria College (United States)</i></p> <p>Use of Learning Contract and Problem-Based Learning in a Metabolic Biochemistry Course for Undergraduates in Biology <i>Miguel Ángel Medina Torres, Universidad de Málaga (Spain)</i></p> <p>Students’ Misconceptions in Some Chemical Principles within a Biological Context <i>Sarah Farrugia - Martin Musumeci, University of Malta (Malta)</i></p> <p>High School Science Students’ Difficulties in Constructing Scientific Explanations in Biology <i>Chotirose Srithep - Chanyah Dahsah, Srinakharinwirot University (Thailand)</i></p>	<p>The First Year of STEM at an Australian Primary School: Promise and Uncertainty <i>Markus Powling, St Mary’s Primary School (Australia)</i></p> <p>The Use of Science Books and Children’s Literature in the Primary Science Classroom <i>Maeve Liston, Mary Immaculate College (Ireland)</i></p> <p>Study on the Cancer’s Representations from Primary School Pupils and Their Filing Systems <i>Emmanuella Di Scala, Espé and Laboratory Ciméos (France)</i> <i>Nathalie Pinsard, ESPE Bourgogne (France)</i></p> <p>Exploring the Role of Self-Generated Analogies in Solving and Reasoning about Novel Situations <i>Nikolaos Fotou, National University of Ireland Maynooth (NUIM) (Ireland)</i></p>

Coffee Break 10:50 – 11:00

Poster Session: 11:00 – 11:20

Room A 11:20 – 13:00	Room B 11:20 – 13:00	Room C 11:20 – 13:00
Studies in Science Education <i>Moderator: Tania Todorova, State University of Library Studies and Information Technologies (Bulgaria)</i>	Curricula Session Planning <i>Moderator: Oliver Burgert, Reutlingen University (Germany)</i>	Studies in Science Education <i>Moderator: Martin Musumeci, University of Malta (Malta)</i>
<p>The Impact of Teachers’ Philosophical Beliefs on Pedagogy at the International School of Amsterdam <i>Mary Kelly, International School Amsterdam (The Netherlands)</i></p> <p>Science Education at Crossroads: Socio-Scientific Issues and Education <i>Jee-Young Park, Seoul National University (Republic of Korea)</i> <i>Eunjeong Ma, Pohang University of Science and Technology (Republic of Korea)</i></p> <p>Question-generating: Creative Formative Assessment for Metacognition <i>John Oversby, Science Education Futures (United Kingdom)</i></p> <p>Action Project for Innovation <i>Eugenia Kovatcheva, University of Library Studies and Information Technologies (Bulgaria)</i></p>	<p>The Effects of a Last-Minute Change in Course Format: A Case Study of One Hybrid Anatomy and Physiology I Course <i>Stephanie M. Hutchins, Maria College (United States)</i></p> <p>Changing the Chemistry Curriculum at Secondary Level: Opportunities and Challenges <i>Joseette Farrugia, University of Malta (Malta)</i> <i>Doreen Mizzi, Secretariat for Catholic Education (Malta)</i></p> <p>Science Studies: An Integral Part of a Research Based Master’s Degree Curriculum <i>Tobias Schmohl, Hamburg Center for University Teaching & Learning (HUL) (Germany)</i></p> <p>We Planned Impact Research and Landed in Curriculum Reform-Meta Experiences and Insights from a Mobile Learning Project <i>Gottfried S. Csanyi, Vienna University of Technology (Austria)</i></p>	<p>Improving The Interest of High-School Students toward Chemistry by Crime Scene Investigation <i>Andrea Basso, Università degli Studi di Genova (Italy)</i></p> <p>Problem Solving Abilities of High School Chemistry Students <i>Laddawan Burana - Chanyah Dahsah, Srinakharinwirot University (Thailand)</i></p> <p>Student’s Gender and its Impact on Science Related Subject Learning Quality <i>Normunds Balabka, Riga Technical University (Latvia)</i></p> <p>LaTeX as an Ideal Tool for Integration of ICT and Mathematics in Science Teaching <i>Aslanbek Naziev, Ryazan State University (Russian Federation)</i></p>

Lunch 13:00 – 14:30



Friday 17 March 2017

Afternoon Session: 14:30 – 17:45

Room A 14:30 – 16:10	Room B 14:30 – 16:10
<p align="center">Science and Language <i>Moderator: Gertraud Benke, University of Klagenfurt (Austria)</i></p>	<p align="center">Curricula Session Planning <i>Moderator: Maeve Liston, Mary Immaculate College (Ireland)</i></p>
<p>Improve Science Student Teachers' Attitudes toward English for Science Teacher by Using Peer Instruction at Suan Sunandha Rajabhat University, Thailand <i>Sumalee Tientongdee, Suan Sunandha Rajabhat University (Thailand)</i></p> <p>A CLIL Case Study on Blended Learning for Building Students' Capacity to Learn Interdisciplinary Subjects <i>Immacolata Ercolino, University of Camerino (Italy)</i></p> <p>Learning about Science through Language <i>David Casenove, The University of Tokyo (Japan)</i></p> <p>Recognition of Prior Learning and Blended Learning as Methods of Motivating University Students of Natural Sciences <i>Satu Tuomainen, University of Eastern Finland (Finland)</i></p>	<p>Scheduled Flexibility and Individualization of Knowledge Transfer in Foundations of Computer Science <i>Oliver Burgert - Irene Merdian, Reutlingen University (Germany)</i></p> <p>Library Associations as an Academic Course <i>Tania Todorova, State University of Library Studies and Information Technologies (Bulgaria)</i></p> <p>Teaching Interference, Diffraction and Polarization of Light in Brazilian High School in the International Light Year <i>Debora Coimbra, Universidade Federal de Uberlândia (Brazil)</i></p> <p>The Binary Approach of the Management of Educational Curricula: Praxeological Concept <i>Argentina Chiriac, State University of Medicine and Pharmacy "Nicolae Testemitanu" (Republic of Moldova)</i></p>

Coffee Break 16:10 – 16:20

Poster Session: 16:20 – 16:30

Room A 16:30 – 17:45	Room B 16:30 – 17:45
<p align="center">Teaching Science to Children <i>Moderator: Deborah Hollis, University of Colorado Boulder (United States)</i></p>	<p align="center">Studies in Science Education <i>Moderator: Barbara Losoff, University of Colorado Boulder (United States)</i></p>
<p>Science Process Skills in Kindergarten Projects <i>Navara Seetee - Chanyah Dahsah, Srinakharinwirot University (Thailand)</i></p> <p>The Use of Interview about Events to Explore Children Basic Science Process Skills <i>Chanyah Dahsah - Navara Seetee, Srinakharinwirot University (Thailand)</i></p> <p>Basic Scientific Process Skills and TV Cartoons in Early Childhood <i>Cansu Yildiz, Hacettepe University (Turkey)</i></p>	<p>The role of Abduction as an Inferential Process and Means of Knowledge Creation in Design Research <i>Tobias Schmohl, Hamburg Center for University Teaching & Learning (HUL) (Germany)</i></p> <p>Education for Science in Engineering and Business <i>Ladislav Burita, University of Defence and Tomas Bata University (Czech Republic)</i></p> <p>Assessing Collaborative Learning Outcomes in High-Stakes Tests: Design and Evaluation of a Two-Stage Examination <i>Julian A. Tanner, University of Hong Kong (Hong Kong)</i></p>

Closing Speech: 17:50 – 18:15

Reflections in Science Education
Bryan Wunar - Nicole Kowrach, Museum of Science and Industry (United States)

Cocktail 18:15– 18:45



Posters

<p>“Is there Maths in History?” Promoting Interdisciplinarity in Future Teachers <i>Juan Antonio Macías García, University of Málaga (Spain)</i></p>	<p>Motives for Choosing an Area of Expertise in Chemistry: An Explorative Study at University Level <i>Nele Milsch - Thomas Waitz, Georg-August-University Göttingen, (Germany)</i></p>
<p>Algae: The Green All-Rounder – An Interdisciplinary Teaching Unit for Middle School Students <i>Thomas Waitz, Georg-August-University Göttingen (Germany)</i></p>	<p>Promoting Teacher Students’ System Competence by the Development of Interdisciplinary Simulation Games <i>Nicklas Müller - Doris Elster, University Bremen (Germany)</i></p>
<p>Connecting Exercises and Video Tutorials to Support Teaching/Learning Processes in University Chemistry Education <i>Dennis Roggenkämper - Thomas Waitz, Georg-August-University Göttingen (Germany)</i></p>	<p>Science Education as a Trigger to Attain Responsible Research and Innovation (RRI) in Biosciences <i>Doris Elster - Julia Birkholz, University Bremen (Germany)</i></p>
<p>Conversation Club as an Enhancing Student’s Motivation Method in Foreign Language Learning <i>Olga Dragomyretska, Odessa State Academy of Civil Engineering and Architecture (Ukraine)</i></p>	<p>Silicon-based Functional Materials - A Practical Course Design Connecting School and School Laboratories <i>Elena von Hoff - Timm Wilke, Technische Universität Braunschweig (Germany)</i></p>
<p>Design of Educational Videos for University Entrants Regarding the Topic “Acids and Bases” <i>Carolin Schilling - Dennis Roggenkämper- Thomas Waitz, Georg-August-University Göttingen, (Germany)</i></p>	<p>Teachers’ of the 2nd Cycle of Basic Education Conceptions of Formative Assessment <i>Maria da Conceição Figueira Santos Pereira, Instituto Politécnico de Lisboa (Portugal)</i> <i>Clara Vasconcelos, Oporto University (Portugal)</i></p>
<p>Development of an Analysis Tool to Promote the Communication of Knowledge about Nanotechnology <i>Marie Eschweiler - Doris Elster, University Bremen (Germany)</i></p>	<p>Text Mining of University Midterm Reports for Comparison of Educational Strength <i>Kahori Ogashiwa, Utsunomiya University (Japan)</i> <i>Masao Mori, Tokyo Institute of Technology (Japan)</i></p>
<p>Digital Characteristics of Young People from Spain in front Violence in Virtual <i>Maria José Rubio Hurtado - Ruth Vilà Baños, University of Barcelona (Spain)</i></p>	<p>The Attitudes of the Future Socio-Educational Agents toward Religious and Cultural Diversity <i>Ruth Vilà Baños - Maria José Rubio Hurtado, University of Barcelona (Spain)</i></p>
<p>Effects of Cooperative Active Learning Experiences on Achievement, Attitudes, and Behaviours in Biology <i>Amnah Alraddadi - Audrey O’ Grady, University of Limerick (Ireland)</i></p>	<p>The Concept of Energy from a Sustainable and Responsible Point of View in the High School Curriculum in Spain <i>Francisco Luis Naranjo, University of Extremadura (Spain)</i></p>
<p>Enhancing Students Environmental Awareness and Interest in Science: An Experience of Environmental Volunteering <i>Teresa Afonso, Tavira Science Centre (Portugal)</i></p>	<p>The Effect of the Implementation of a Variety of Inquiry Based Pedagogical Strategies on Student Learning in Science, with a Focus on Students from Disadvantaged (DEIS) Schools <i>Samantha Prior- Audrey O’ Grady, University of Limerick (Ireland)</i></p>
<p>Increasing Students’ Understanding of Organic Chemistry in Secondary School in Belgium <i>Laureline Van Overmeir, Université Libre de Bruxelles (Belgium)</i></p>	<p>Virtual Gas Lessons for Medium Chemistry: Use of Interaction Cycles and Multi-Representation <i>Emerich Sousa, Universidade do Porto (Portugal)</i></p>
<p>Making Science Visible – Information, Motivation and Participation in Formal and Non-Formal Educational Offers <i>Elena von Hoff - Thomas Waitz, Georg-August-University Göttingen, (Germany)</i></p>	<p>What Is it about Science Experiments that Fascinates Children? The Role of Novelty and Intensity <i>Angelika Pahl, University College of Teacher Education Bern (Switzerland)</i></p>
<p>Mobility of the Students in Erasmus Plus Programme: An Experience of ASLTo3 <i>Sabrina Grigolo, ASLTo3 (Italy)</i></p>	<p>Evaluation of the Impact of a Day Long General Chemistry Laboratory on 4th Year High School Students <i>Chiara Schettini, University of Camerino (Italy)</i></p>
<p>The Enzymatic Determination of Glucose in Carbonated Beverages: A Useful Tool for the Undergraduate Students to Learn the Basis of Enzymatic Analysis and the Comparison of Two Analytical Methods <i>Ana M^a Rodríguez Quesada, Universidad de Málaga, Andalucía Tech (Spain)</i></p>	<p>H₂AC: Hydrogen Automotive Challenge as a Novel Approach to STEM Popularization in Czech Republic <i>Václav Bystrianský, UCT Prague (Czech Republic)</i></p>



Virtual Presentations

(Available on the Conference Website)

<p>"Know Yourself" a Strategic Prerequisite to Encourage Academic Studies <i>Gabriella Giulia Pulcini, University of Camerino (Italy)</i></p>	<p>Laplace Transform and Applications to Electric Circuit <i>Vanja Čotić, University of Rijeka (Croatia)</i></p>
<p>51 Commented Linguistic Experiences <i>Marcel Balici, Free International University of Moldova (Republic of Moldova)</i></p>	<p>Investigation of Science Teachers Beliefs about Teaching Science <i>Ayberk Bostan Sariođlan, Balikesir University (Turkey)</i></p>
<p>Assessment Activities in Mechanics: How Many of Them Are Enough? <i>Cristina Urbina Pons, Universitat Rovira i Virgili (Spain)</i></p>	<p>Issues of Writing of Teachers and Impact on High School Students <i>Natasha Kazmaj, New York High School (Albania)</i></p>
<p>Curricular Continuity in Communication Skills Formation with Professional Guidance of the Allophone Student <i>Maria Pruteanu, State University of Medicine and Pharmacy "Nicolae Testemitanu" (Republic of Moldova)</i></p>	<p>Intellectual Property Training in the Field of Photography and Media in Bulgarian Universities <i>Tereza Trencheva, The State University of Library Studies and Information Technologies (Bulgaria)</i></p>
<p>Attitudes and Perceptions of High School Students on the Use of Educational Technology in The Process of Learning a Foreign Language <i>Mirela Tolić, University of Osijek (Croatia)</i></p>	<p>Controversy Mapping for Studying Socioscientific Issues: Case Study of a Local Problem in Spain <i>Naira Díaz-Moreno, University of Almería (Spain)</i></p>
<p>CLIL Teaching in Physics: Methodologies and Technological Innovations <i>Moreno Concezzi, Roma Tre University (Italy)</i></p>	<p>Mathematics and Chemistry: An Interdisciplinary Experience in High School <i>Ana Carolina Carius, Instituto Federal do Rio de Janeiro (Brazil)</i></p>
<p>Combining Two Computational Tools for Teaching and Learning Physics <i>Candida Aparecida Machado, University of Coimbra (Brazil)</i></p>	<p>Modern Physics Teaching Resources and Activities <i>Beata Jarosievitz, Dennis Gabor College (Hungary)</i></p>
<p>Practices for Geometry Teaching with GeoGebra <i>Jaqueline Maria da Silva, Universidade Federal dos Vales do Jequitinhonha e Mucuri (Brazil)</i></p>	<p>Effective Assessment of Written-Based Computer Programming Codes: Using a Grid Based Approach <i>Canayah Cuniah, University of Technology, Mauritius (Mauritius)</i></p>
<p>Assessment of the Attitudes of Engineering Freshman Students towards Chemistry Learning Using an Adaptation of the Colorado Learning Attitudes About Science Survey (CLASS) <i>Patricia Morales Bueno, Pontificia Universidad Católica del Perú PUCP (Peru)</i></p>	<p>Differential Calculus and Chemistry: the Challenge of an Interdisciplinary Course <i>Ana Carolina Carius, Instituto Federal do Rio de Janeiro (Brazil)</i> <i>Jaqueline Maria da Silva, Universidade Federal dos Vales do Jequitinhonha e Mucuri (Brazil)</i></p>
<p>New Model of Dome Sessions for the Teaching of Sciences in Planetary <i>Gesoaldo Maia Oliveira, University of Coimbra (Portugal)</i></p>	<p>Self-regulation of Emotions: Towards a More Complete Evaluation of Pre-service Primary Teacher Training <i>Miguel Romero-Gutiérrez, University of Almería (Spain)</i></p>
<p>E-Learning from Nature Project: an Effective Way of Enhancing Students' Motivation <i>Anca Colibaba, GR.T.Popa University / EuroED Foundation (Romania)</i> <i>Stefan Colibaba, Al.I. Cuza University & Fundatia EuroEd (Romania)</i></p>	<p>Using BluffTitr Application for Educational Projects Organization <i>Oleg Loshchagin, Informational and Methodical Centre of Kolpinskiy District of Saint Petersburg (Russian Federation)</i></p>
<p>Feminist's Ethnography Use in the Teaching of Folk Studies in Higher Education. The Experience of Women's Storytelling Archive of University of the Aegean <i>Maria Gasouka, University of the Aegean (Greece)</i></p>	<p>Teaching Derivatives Concepts with Computational Techniques <i>Jaqueline Maria da Silva, Universidade Federal dos Vales do Jequitinhonha e Mucuri (Brazil)</i> <i>Ana Carolina Carius, Instituto Federal do Rio de Janeiro (Brazil)</i></p>
<p>Flipped Inclusion: Theoretical And Experimental Framework for an Augmented Classroom <i>Pio Alfredo Di Tore, Università degli Studi di Salerno (Italy)</i></p>	<p>Teachers Training Programs on Classroom Management: A Systematic Literature Review <i>Jonida Lasha, University of Shkodra "Luigj Gurakuqi" (Albania)</i></p>
<p>Fourier Analysis - Impacts of Mathematics on Other Educational Sciences <i>Melita Štefan Trubić, University of Rijeka (Croatia)</i></p>	<p>Teaching Foreign Language Communication through Scientific Texts <i>Alsu Makhmutova, Kazan Federal University (Russian Federation)</i></p>
<p>Impact and Importance of Teaching Nuclear Processes, History, and Contemporary Issues in the Middle Grades <i>Peter N. Knutson, Dubuque Community Schools (United States)</i></p>	<p>Text Linguistics <i>Maria Rudneva, RUDN University (Russian Federation)</i></p>
<p>Impact of the European Instruments on Institutional Development of Higher Education and Science Higher Education and Science in Bulgaria before and during the European Policies and Instruments Action <i>Albena Vutsova, Sofia University "Sv. Kliment Ohridski" (Bulgaria)</i></p>	<p>The Implementation of Simulation Modeling in the Extreme Psychology Master's Course <i>Valentina Ekimova, Professor (Russian Federation)</i></p>
<p>Importance Of Leadership Skills in the Education of Future Scholars/Academics: Leaders-Followers Relations <i>Dritan Shoraj, Tirana University (Albania)</i></p>	<p>The Negative Impact of E-Commerce Vat on Education in Kosovo <i>Enver Sele, Doktorat Studies in Economi (Albania)</i></p>
<p>Improvement of Professional Competences in University Education <i>Roberto Moreno, University of Castilla La Mancha (Spain)</i></p>	<p>The Teacher Role as an Intercultural Mediator <i>María Tomé-Fernández, University of Granada (Spain)</i></p>
<p>Struggle Against Incompetent Abuse of Statistics as Persuasive Evidence <i>Tanja Van Hecke, Ghent University (Belgium)</i></p>	