



**11th  
EUROMATH  
&  
EUROSCIENCE  
Student Conference 2019  
(for pupils of age 9-18)**

**Current Programme Highlights  
(updated 5 December 2018)**

**13 - 17 March 2019  
Paphos, Cyprus**

**TALKS (for pupils)**

**ELEMENTARY PARTICLE PHYSICS AT CERN (40 min)**

Professor Evangelos Gazis  
National Technical University of Athens, CERN

**MEDICAL APPLICATIONS BY NUCLEAR & ELEMENTARY PARTICLE PHYSICS (40 min)**

Professor Evangelos Gazis  
National Technical University of Athens, CERN

**INVITED SPEAKER**

**MATHEMATICS THE LANGUAGE OF THE SPACE SCIENCE**

Christodoulos Protopapas  
Chairman of the Hellenic Space Agency

**KEY NOTE SPEAKER DURING OPENING CEREMONY**

**THE ROLE OF CHEMISTRY, BIOLOGY & PROCESS ENGINEERING IN THE FIGHT AGAINST MICROCONTAMINANTS PRESENT IN THE URBAN WATER CYCLE**

Despo Fatta-Kassinou  
Associate Professor, Department of Civil Environmental Engineering, University of Cyprus  
Director, Nireas-International Water Research Center, University of Cyprus

**WORKSHOPS (for pupils)**

**ROBOTICS FOR MATHEMATICS STUDENTS (3.5 hours)**

Pericles Cheng  
Cyprus Computer Society & ROBOTEXT CYPRUS

**ESCAPE ROOM**

Marina Furkes, Bojana Habek  
Gimnazija "Fran Galovic" Koprivnica, Croatia

**METAMORPHOSIS OF MATHEMATICAL ASSIGNMENTS**

Mara Grasic, Osnova Skola "Braca Radic", Croatia  
Ksenija Varovic, Osnova Skola Fran Koncelak Drnje, Croatia

<p><b>DIVISIBILITY NUMBERS</b> Sava Grozdev VUZF University, Sofia</p>
<p><b>PRIME NUMBERS</b> Sava Grozdev VUZF University, Sofia</p>
<p><b>SPECIAL TALKS (for university students with limited access to pupils)</b></p>
<p><b>TECHNOLOGIC ACHIEVEMENTS FOR THE FUTURE ACCELERATORS AT CERN (40 min)</b> Professor Evangelos Gazis National Technical University of Athens, CERN</p>
<p><b>SPECIAL WORKSHOP (for university students with limited access to pupils)</b></p>
<p><b>CERN LAB (60 min)</b> Professor Evangelos Gazis National Technical University of Athens, CERN</p>
<p><b>WORKSHOPS (for teachers)</b></p>
<p><b>ROBOTICS FOR MATHEMATICS TEACHERS (3.5 hours)</b> Pericles Cheng Cyprus Computer Society &amp; ROBOTEXT CYPRUS</p>
<p><b>SYMPOSIUM (for pupils and teachers)</b></p>
<p><b>BIOINFORMATICS: COMPUTATIONAL MATHEMATICS IN BIOMEDICINE RESEARCH AND DEVELOPMENT</b> by The Cyprus Institute of Neurology &amp; Genetics, Cyprus</p>
<p><b>BIOLOGY IN NUMBERS</b> Andrea Kakouri The Cyprus Institute of Neurology &amp; Genetics, Cyprus</p>
<p><b>MEDICINE IN NUMBERS</b> Christiana Christodoulou, The Cyprus Institute of Neurology &amp; Genetics, Cyprus Kyriaki Savva, The Cyprus Institute of Neurology &amp; Genetics, Cyprus</p>
<p><b>MATHEMATICAL MODELING OF THE BRAIN</b> Margarita Zachariou The Cyprus Institute of Neurology &amp; Genetics, Cyprus</p>
<p><b>BIG DATA OMICS ANALYTICS</b> Anastasis Oulas The Cyprus Institute of Neurology &amp; Genetics, Cyprus</p>
<p><b>COMPUTATIONAL INTELLIGENCE IN BIOMEDICINE</b> George Minadakis The Cyprus Institute of Neurology &amp; Genetics, Cyprus</p>
<p><b>GRAPH THEORY BEHIND BIOMEDICAL NETWORKS</b> George Spyrou The Cyprus Institute of Neurology &amp; Genetics, Cyprus</p>
<p><b>THE MATHEMATICAL BASIS OF BIOINFORMATICS: ROUND TABLE DISCUSSION AND Q/A</b></p>
<p><b>ACCEPTED PRESENTATIONS BY STUDENTS (EUROMATH)</b></p>
<p><b>FINITE ABOUT INFINITY</b> Dunja Galinec, Martin Unger Gimnazija "Fran Galovic" Koprivnica, Croatia</p>

<p><b>FRACTAL AND NATURE</b>  Leonarda Jurendic  Gimnazija "Fran Galovic" Koprivnica, Croatia</p>
<p><b>HOW WAS MATH SHAPED ASTRONOMY?</b>  Marta Kunstic  Gimnazija "Fran Galovic" Koprivnica, Croatia</p>
<p><b>MATHEMATICS IN MOVIES</b>  Jakov Dolenc  Gimnazija "Fran Galovic" Koprivnica, Croatia</p>
<p><b>WOMEN IN MATHEMATICS</b>  Mirta Strbad, Irina Vuckovic  Gimnazija "Fran Galovic" Koprivnica, Croatia</p>
<p><b>MATHEMATIC IN ART</b>  Ella Vrabelj  Osnovna skola "Braca Radic", Croatia</p>
<p><b>MATHEMATICS AND THEATRE</b>  Ema Vinkovic, Petra Habdija  Osnovna skola "Braca Radic", Croatia</p>
<p><b>MATHS AND BICYCLING</b>  Fran Filipovic  Osnovna skola "Braca Radic", Croatia</p>
<p><b>MATHEMATICS IN PROGRAMMING</b>  Fran Vlahovic  Osnovna skola "Braca Radic", Croatia</p>
<p><b>COOKING WITH A LITTLE HELP OF MATHS</b>  Josip Mikulic  Osnovna skola "Braca Radic", Croatia</p>
<p><b>MATHEMATICS AND GEOMETRICAL PATTERNS</b>  Lara Vukovic, Tara Sambar  Osnovna skola "Braca Radic", Croatia</p>
<p><b>MATHEMATICS AND CROATIAN FOOTBALL TEAM</b>  Lorena Siroki  Osnovna skola "Braca Radic", Croatia</p>
<p><b>APPLICATION OF MATHEMATICS IN ANATOMY OF HUMAN BODY</b>  Lovro Priselec, Ivan Sinjeri  Osnovna skola "Braca Radic", Croatia</p>
<p><b>MATHEMATICS IN GOLA</b>  Marija Svegovic  Osnovna skola "Braca Radic", Croatia</p>
<p><b>APPLICATIONS OF MATHEMATICS TO ECONOMICS</b>  Matija Simek  Osnovna skola "Braca Radic", Croatia</p>
<p><b>MATHS, SCIENCE AND REAL LIFE</b>  Nera Tomrlin  Osnovna skola "Braca Radic", Croatia</p>
<p><b>LEARNING MATHEMATICS THROUGH GAMES</b>  Niko Sertic  Osnovna skola "Braca Radic", Croatia</p>

<p><b>MATHEMATICS IN SPORTS</b> Nikola Kusek Osnovna skola "Braca Radic", Croatia</p>
<p><b>MATHEMATICS AND GEOMETRY IN ARCHITECTURE</b> Patrik Fiser Osnovna skola "Braca Radic", Croatia</p>
<p><b>FISHING MATH</b> Iva Betlehem Osniva Skola Fran Koncelak Drnje, Croatia</p>
<p><b>WORLD CUP IN RUSSIA AND THE BIG CROATIAN TEAM ACHIEVMENT</b> Matej Matijasic Osniva Skola Fran Koncelak Drnje, Croatia</p>
<p><b>MATH THROUGH GEOGRAPHY</b> Hana Siroki Osniva Skola Fran Koncelak Drnje, Croatia</p>
<p><b>THE ROIE OF MATHEMATICAL OPTIMIZATION IN MACHINE LEARNING</b> Zahra Ahmadpoor, Mehrnaz Ehsannejad, Bita Zangooje Farzanegan 2 High School, Iran</p>
<p><b>MATRICES AND TRANSPORTATION</b> Narges Tooshe, Seyedesarah Mojahedalmousavi, Hasti Bagheri Farzanegan High School, Iran</p>
<p><b>MATRICES AND MODERN LIFE</b> Zahra Ahmadpoor, Mehrnaz Ehsannejad, Bita Zangooe Farzanegan 2 High School, Iran</p>
<p><b>GEOMETRICAL STRUCTURE OF BAGPIPE FROM VIEWPOINT OF MATHEMATICAL IN MUSIC VISION</b> Parnian Shojaei, Parmida Azizi, Ava Ilami Faranegan High School, Iran</p>
<p><b>INVESTIGATION OF THE POETRY LITERATURE FROM VIEWPOINT OF MATH VISION</b> Behroksadat Behresi, Arnavaz Parvizi, Seyedehtiyousha Nazaftar Farzanegan High School, Iran</p>
<p><b>THE FORMULIZATION OF THE PUZZLE OF PICTURE HANGING</b> Behroksadat Behresi, Parmida Azizi, Parnian Shojaei Farzanegan High School, Iran</p>
<p><b>AN INTERACTIVE METHOD FOR THE APPLICATION OF FIBONACCI FUNCTION</b> Akbar Mallahmadi, MAhdi Kayedi, Sadegh Papari Kordi Exeptional Talent High School, Iran</p>
<p><b>SOME RESULTS ON THE APPLICATION OF MARKETING IN VIEW OF GAME THEORY</b> Parsa Maleki Shahid Majdzadeh High School Iran</p>
<p style="text-align: center;"><b>ACCEPTED PRESENTATIONS BY STUDENTS (EUROSCIENCE)</b></p>
<p><b>PHYSICS AND ARCHITECTURE - HOW AND WHY?</b> Ana MArija Habdija, Kaja Sertic Gimnazija "Fran Galovic" Koprivnica, Croatia</p>
<p><b>SCIENGICIAN</b> Andija Njers Gimnazija "Fran Galovic" Koprivnica, Croatia</p>

More Sessions to be added soon