



**12th  
EUROMATH  
&  
EUROSCIENCE  
Student Conference 2020**  
(for pupils of age 9-18)

**ACCEPTED WORKSHOPS AND  
STUDENT PRESENTATIONS**

(updated 05 February 2020)

**11 - 15 March 2020  
Thessaloniki, Greece**

**PLENARY SPEECH**

PL1	<b>MATH IS FOR THE FUTURE</b> Mina Teicher Emmy Noether Research Institute for Mathematics, Israel
-----	--

**WORKSHOPS (for pupils)**

No	Title, presenters	Duration	Notes
WS1	<b>LET'S DISCOVER MATHEMATICS WITH DIGITAL TOOLS</b> Mara Grašić, Ksenija Varović Osnovna škola „Braća Radić“, Miklinovec 6a, Koprivnica, Croatia Osnovna škola Fran Koncelak, Pemija 72, Drnje, Croatia	60 minutes	Workshop for students
WS2	<b>Practical application of Linear Diophantine equations with two unknowns</b> Sava Grozdev VUZF University	45 minutes	Workshop for 5-8 grade students
WS3	<b>Ornaments: Algebra meets Geometry</b> Tomasz Szemberg Pedagogical University of Krakow	45 minutes	Workshop for students from grade 9 on (15+ years old)
WS4	<b>Are lines straight (forward)?</b> Justyna Szpond Pedagogical University of Krakow	45 minutes	Workshop for students from grade 6 on and mathematics teachers
WS5	<b>Kahoot Quiz</b> Marina Furkes, Bojana Habek Gimnazija „Fran Galovic“ Koprivnica, Croatia	45 minutes	Workshop for students
WS6	<b>Particle Physics (elementary). Playing with the quarks</b> Evangelos Gazis Institute of Accelerating Systems and Applications (IASA), Greece	45 minutes	Workshop for students

WS7	<b>Particle Accelerators. The Machines of the Future</b> Evangelos Gazis Institute of Accelerating Systems and Applications (IASA), Greece	45 minutes	Workshop for Teachers/University Students
WS8	<b>DENTAL MATH</b> Nikolina Kuzmić Šelimber and Hrvoje Šelimber Udruga mladih koprivničkih matematičara, Čarda 43, Koprivnica, Croatia Osnovna škola "Antun Nemčić Gostovinski" Koprivnica, Školska 5, Croatia	45 minutes	Workshop for students
WS9	<b>SOLVING PUZZLES AND RIDDLES USING LOGIC AND PROBABILITIES</b> Michalis Gavrielides The English School, Nicosia, Cyprus	75 minutes	Workshop for students
WS10	<b>THE UNIVERSE GOES TO PRIMARY SCHOOL</b> Elena Elliniadou MEd 2nd Primary School of Piraeus Uruguay, Greece	90 minutes	
WS11	<b>HOW MANY DESCENDANTS?</b> Brendan McLoughlin International School of Moscow, Russia	60 minutes	Workshop for students
WS12	<b>GENES AT WORK. A BOARD GAME TO WORK ON RELATIONSHIPS, ETHICAL SKILLS, STRATEGIC THINKING, PLANNING, COOPERATION, AND INCLUSIVENESS</b> Di Fonza Mario*, Nappi Sabrina**, Busiello Rosanna***, Puzone Giuseppe****, Settembre Vincenzo*****, Aiese Rosa Krizia***** Istituto Statale per l'Istruzione Secondaria "Europa", Pomigliano d'Arco, Naples, Italy	45 minutes	Workshop for teachers and students
WS13	<b>AN EDUCATIONAL AND INCLUSIVE APPROACH OF GEOMETRY THROUGH FRACTALS</b> Anna Alfieri Liceo Scientifico "Luigi Siciliani" Catanzaro Italy	45 minutes	Workshop for students
WS14	<b>USING MATHEMATICS TO SAVE WATER</b> Amélia C. Caldeira(*), M. T. Malheiro(**), Rui M. S. Pereira(***), A. Manuela Gonçalves(****), S.O. Lopes(*****) (* ) Dept. of Mathematics, School of Engineering, Polytechnic of Porto, LEMA-ISEP, SYSTEC-ISR, Porto, Portugal (**) University of Minho, Department of Mathematics and Center of Mathematics, Braga, Portugal (***) University of Minho, Department of Mathematics and Center of Physics, Braga, Portugal (****)University of Minho, Department of Mathematics and Center of Mathematics, Braga, Portugal (***** ) University of Minho, Department	60 minutes	Workshop for students
WS15	<b>MUSICMATH METHODOLOGY: FRACTIONS ENSEMBLE</b> Eric Roldan Roa, Erika Roldan Roa, Misael Hernández Leal, Aldo Martínez Chávez *MusicMath team / University of Tartu, Naciones Unidas 6300-06 col.Fracc Parque la Castellana Cp.45117 Zapopan-Jalisco-Mexico, ** MusicMath team / TU Munich & EPFL Starting February 2020, *** MusicMath team, Can Mayor 4080 col.Arboledas 1ra secc Cp.45070 Zapopan-Jalisco-Mexico, **** MusicMath team,	45 minutes	Workshop for students

WS16	<b>Boosting Circular Economy Knowledge in STEM Future Class</b> Eirini Siotou*, Effie Papageorgiou**, Lina Chachali*** *MSc., Head of the Science and R&D Department, Blooms pilot teacher, Physics teacher, Nea Genia Ziridis, Athens, Greece **Phd, Chemistry teacher, Blooms pilot teacher, Nea Genia Ziridis, Athens, Greece *** MSc., Vice-principle, Mathematics teacher, Nea Genia Ziridis, Athens, Greece	45 minutes	
WS17	<b>MathTriathlon</b> A special event inspired, created and organized by Kostis Andriopoulos* and Nikos Papadopoulos** * The Moraitis School, Athens, Greece ** The Senior School, Nicosia, Cyprus	150 minutes	
WS18	<b>EVERY WEEK... MATHS</b> Anita Grguric*, Zlatka Miculinic Mance** Prva rijecka hrvatska gimnazija, Frana Kurelca 1, Rijeka, Croatia	45 minutes	Workshop for teachers
WS19	<b>MATH TRAILS WITH MATHCITYMAP</b> Amélia C. D. Caldeira(*), Ana Moura(**) (* ) Dept. of Mathematics, School of Engineering, Polytechnic of Porto, LEMA-ISEP, SYSTEC-ISR, Porto, Portugal (**) Dept. of Mathematics, School of Engineering, Polytechnic of Porto, LEMA-ISEP, CMUP, Porto, Portugal	75 minutes	Workshop for teachers
WS20	<b>EU-MATHS-IN : MATHEMATICS AND INDUSTRY</b> Christophe Prud'homme*, Andrés Prieto Aneiros** * EU-MATHS-IN, AMIES, University of Strasbourg, ** University of A Coruña, Math-in	45 minutes	

### ACCEPTED PRESENTATIONS BY STUDENTS (EUROMATH)

No	Title, presenters
MP1	<b>DIABETES IS MATHEMATICS</b> Marija Švegović Centar Izvrsnosti, Koprivnica, Croatia
MP2	<b>MATH IN VUČEDOL CULTURE</b> Lea Smiljanec, Nera Tomrlin Centar Izvrsnosti, Koprivnica, Croatia
MP3	<b>MATH IS IN THE AIR</b> Korana Grgac, Teo Hanzekovic OS Braca Radic, Koprivnica, Croatia
MP4	<b>MATHEMATICS AND ANIMALS</b> Elena Sijak, Nikolina Isabella Marija van Bregt OS Braca Radic, Koprivnica, Croatia
MP5	<b>MATHEMATICS MODEL OF SUSTAINABLE TOURISM</b> Fran Filipović OS Braca Radic, Koprivnica, Croatia
MP6	<b>MATHEMATICS IN SPACE</b> Luka Rubes OS Braca Radic, Koprivnica, Croatia
MP7	<b>MATHEMATICS IN MEDICINE</b> Martina Petrovic OS Braca Radic, Koprivnica, Croatia

MP8	<b>MATHEMATICS IN HISTORY</b> Niko Sertić OS Braca Radic, Koprivnica, Croatia
MP9	<b>MATHEMATICS IN DANCE</b> Ella Kolar, Paula Škrobar, Magdalena Zovko OS Braca Radic, Koprivnica, Croatia
MP10	<b>MATHEMATICS IN ARCHITECTURE</b> Zana Sipek, Ella Vrabelj OS Braca Radic, Koprivnica, Croatia
MP11	<b>L'Hôpital's rule</b> Dongha Kim International School of Moscow, Russia
MP12	<b>NAVIGATING THE WORLD</b> Innokentiy Kaurov, Alex Mariievskiy International School of Moscow, Russia
MP13	<b>VISUALISING 4D USING DOMAIN COLOURING</b> Dongyoung Kim, Jiahe Xin International School of Moscow, Russia
MP14	<b>NEURAL NETWORKS</b> Anna Mordvina International School of Moscow, Russia
MP15	<b>Gaga's Golden Ratio</b> Celena Ota International School of Moscow, Russia
MP16	<b>RATES AS A SOLUTION TO EVERYTHING</b> Yegor Kim, Pavel Burya, Konstantin Popov International School of Moscow, Russia
MP17	<b>MATHEMATICS IN ART</b> Qishi Xie, Platon Sagun The Heritage Private School, Palodia, Limassol, Cyprus
MP18	<b>INFINITE CHOCOLATE? YES, PLEASE!</b> Shengkun Zhao, Yufan Tang, Yawen Yang The Heritage Private School, Palodia, Limassol, Cyprus
MP19	<b>MATHEMATICS IN SOLAR SYSTEM</b> Tara Tetec, Leo Bradić Primary school "Braća Radić", Koprivnica, Croatia
MP20	<b>MATHEMATICS ON GEOGRAPHICAL MAP</b> Jakov Koštarić, Damjan Koštarić Primary school "Braća Radić", Koprivnica, Croatia
MP21	<b>MATHEMATICS IN GEOGRAPHY</b> Mihael Pjatakov, Marko Šarić, Cemal Ustundag Primary school "Braća Radić", Koprivnica, Croatia
MP22	<b>CHECKMATE!</b> Matko Stanić Osnovna škola "Antun Nemčić Gostovinski" Koprivnica, Školska 5, Croatia
MP23	<b>MATHS AND MINECRAFT</b> Jakov Gregurić, Borna Sočev Osnovna škola "Antun Nemčić Gostovinski" Koprivnica, Školska 5, Croatia
MP24	<b>THAT TRICKY MATH</b> Noel Mađerić, Petar Šajfar Osnovna škola "Antun Nemčić Gostovinski" Koprivnica, Školska 5, Croatia
MP25	<b>THE MUSIC OF MATHEMATICS</b> Ava Magdić, Nika Robotić Osnovna škola "Antun Nemčić Gostovinski" Koprivnica, Školska 5, Croatia

MP26	<b>THE TITANIC IN NUMBERS</b> Katja Gregurić, Eva Pintar Osnovna škola "Antun Nemčić Gostovinski" Koprivnica, Školska 5, Croatia
MP27	<b>MATHEMATICS IN BUILDING HOUSES</b> Izabela Lugarov, Matej Matijašić Osnovna škola Fran Koncelak, Pemija 72, Drnje, Croatia
MP28	<b>A HISTORY OF THE METRE</b> Maia Kristina Arhall Bergendorff Rygaards International School, Denmark
MP29	<b>TWO FACES NUMBERS</b> Ali Bulori Shahid Beheshti 1, Iran
MP30	<b>TRIPLE JUMP</b> Julian R. Trott, Tamás Kovács Rygaards International School, Denmark
MP31	<b>GRAPH THEORY PROBLEMS AND APPLICATIONS</b> Neven Lukić Gimnazija "Fran Galović" Koprivnica, Croatia
MP32	<b>FIBONACCI SEQUENCE IN NATURE</b> Karla Šmitlehner, Marta Šola Gimnazija "Fran Galović" Koprivnica, Croatia
MP33	<b>MUSIC AND MATHEMATICS</b> Klara Smiljanić Gimnazija "Fran Galović" Koprivnica, Croatia
MP34	<b>MATH IN FITNESS</b> Klara Šestak, Neven Lukic Gimnazija „Fran Galović" Koprivnica, Croatia
MP36	<b>THE PERFECT RACKET</b> Carmela Ciampi, Simone Di Dio, Chiara Iscaro, Laura Lanni, Antonio Pezzulo, Martina Varricchio Liceo Scientifico "G. Rummo" Benevento, Italy
MP37	<b>STUDYING MATHEMATICS AS A PIECE OF ITALIAN FOOD</b> Amoriello Pietro, Bovino Stefania, Iannella Alessia Liceo Scientifico "G. Rummo" Benevento, Italy
MP38	<b>SMARTPHONE AND MATHEMATICS</b> Giovanna Iannella, Alessandra Carla Coletta, Roberta Romano Liceo Scientifico "G. Rummo" Benevento, Italy
MP39	<b>SADDLE UP!</b> Ciavanni Annachiara, Citarella Alessia, Lepore Liliana, Pellegrini Maria Helena Liceo Scientifico "G. Rummo" Benevento, Italy
MP40	<b>QUANTUM COMPUTERS</b> Antonio Pezzulo, Carlo di Pasquale, Chiara Iscaro, Giuseppe Viglione, Lorenzo Addivinola Liceo Scientifico "G. Rummo" Benevento, Italy
MP41	<b>PROBABILITY OF FOOTBALL BETS</b> Giorgio Benedetto Bravi, Giovanni Catauro, Bruno Nesticò, Piofrancesco Rosella, Rinaldo Saviano Liceo Scientifico "G. Rummo" Benevento, Italy
MP42	<b>NETFLIX: AN ISSUE OF RECOMMENDATION!</b> Fiorentino Giuseppe Manuel, Fucci Francesca Pia, Paduano Francesco Agostino, Guerrera Concetta, Addivinola Lorenzo, Viscio Viglione Livia Liceo Scientifico "G. Rummo" Benevento, Italy
MP43	<b>LOVE AND MONEY</b> Giuseppe Abbate, Giuseppe Viglione, Mariagaia Miranda, Francesca Lacerra, Giorgia Iammarino, Carlo Di Pasquale Liceo Scientifico "G. Rummo" Benevento, Italy

MP44	<b>LET'S GIVE IT A CUT</b> Boffa Maria Giulia, Fiorito Alessia, Giangregorio Luigi, Napolitano Swami, Verderosa Ciro, Verderosa Giuseppe Liceo Scientifico "G. Rummo" Benevento, Italy
MP45	<b>INSTAGRAM: LET'S REVEAL ITS SECRETS!</b> Francesco Agostino Paduano, Laura Lanni, Martina Varricchio, Maria Gaia Miranda Liceo Scientifico "G. Rummo" Benevento, Italy
MP46	<b>EVERYTHING IS NUMBER</b> Boffa Annachiara, Ferravante Sara, Fiorito Alessia, Napolitano Swami, Viscio Viglione Livia Liceo Scientifico "G. Rummo" Benevento, Italy
MP47	<b>CANDY CRUSH'S PUZZLING MATHEMATICS</b> Francesca Pia Fucci, Concetta Guerrera, Francesca Lacerra, Carmela Ciampi, Maria Giulia Boffa Liceo Scientifico "G. Rummo" Benevento, Italy
MP48	<b>SWINGING MATH</b> Federica D'Agnesi, Serena Pagano Istituto Statale per l'Istruzione Secondaria "Europa", Pomigliano d'Arco, Naples, Italy
MP49	<b>WHEN FOUR CURVES MEET</b> Panagiotis Bampatsias Varvakeio Model High School of Athens, Greece
MP50	<b>THE RELATIONSHIP BETWEEN BOXING AND MATHEMATICS</b> Ehsan Osanlu Ghadir High School 17th Milad Street, Arazi, Zanjan, Iran
MP51	<b>1,2,3...N DIMENSIONS IN GEOMETRY</b> Emilia Biamonte, Martina Umbrello Liceo Scientifico "Luigi Siciliani" Catanzaro, Italy
MP52	<b>TELL ME WHAT YOU EAT AND I WILL TELL YOU WHAT YOU ARE</b> Alberto Pesce Istituto Statale per l'Istruzione Secondaria "Europa", Pomigliano d'Arco, Naples, Italy
MP53	<b>MATHLETICS</b> Andreas Hadjikallis, Eleni Papachristoforou, Anestis Louca, Maria Zorni, Thalia Theodorou American Academy Larnaca, Cyprus
MP54	<b>THE REAL THE IRRATIONAL AND THE IMAGINARY</b> George Karesiou, Marios Amerikanos, Panagiotis Grigoriou, Alexandros Zachariou American Academy Larnaca, Cyprus
MP55	<b>MY TRIANGULAR WORLD</b> Galatea Evgeniou, Stephanie Demetriou, Marilia Fysentzidi, Charilia Papalambrou, Constatina Polycarpou American Academy Larnaca, Cyprus
MP56	<b>MATHEMATICS AND ARCHITECTURE</b> Erene Efstathiou, Stephanie Symeonidi, Kyriaki Paradisioti, Miranda Hadjimatheou, Maria Hadjichambi, Theodosia Hadjimarcou American Academy Larnaca, Cyprus
MP57	<b>SOLVING CRIMES USING MATHEMATICS</b> Anastasia Demetriou, Danae Larcou, Eleni Apostolou American Academy Larnaca, Cyprus
MP58	<b>THE AESTHATIC OF MATH</b> Barbara Zachariou, Poline Haroutounian, Panagiota Mela American Academy Larnaca, Cyprus
MP59	<b>NUMBER ART</b> Tea Hansson, Axel Palmé, Alva Strand Polhemskolan, Sweden

MP60	<b>THE DEVELOPMENT OF CRYPTOLOGY</b> Astrid Hofwander, Engla Sundström Polhemskolan, Sweden
MP61	<b>EATING MATHEMATICS</b> Federica Petrella, Clara Verdino, Matteo Piscopo Liceo Scientifico "G. Rummo" Benevento, Italy
MP62	<b>CONVERGENCE OF FUNCTIONS OF MARKOV CHAINS. APPLICATIONS IN DISCRETE STOCHASTIC MODELS</b> Martin Boyanov Stefanov Sofia High School of Mathematics, Yanko Zabunov Street, Sofia, Bulgaria
MP63	<b>THE USE OF MATHEMATICS IN (AUTOMATED) TRADING</b> Arian Adeli Koodehi International School of Paphos, Paphos, Cyprus
MP64	<b>GAME THEORY</b> Marko Spyrou International School of Paphos, Paphos, Cyprus
MP65	<b>ALAN TURING AND THE ENIGMA MACHINE</b> Belegrinos Eleftherios, Karaferis George-Paris, Tsormpatzoglou George The American College of Greece-Pierce, Greece
MP66	<b>MATHEMATICS AND PHILOSOPHY</b> Juan A. Monge-Navarro Otero Turku International School, Finland
MP67	<b>TOPOLOGY AND KNOTS</b> Talemwa Nanyange Kyambadde Turku International School, Finland
MP68	<b>KNIGHTS AND KNAVES</b> Asen Evgeniev Tonkov, Hristo-Chocho Tsvetanov Vladovski, Deyan Tsvetelinov Minkov 125th SU "Boyan Penev", American College of Sofia, Bulgaria
MP69	<b>VISIBILITY OF CONICS</b> Martin Dimitrov, Gergana Peeva, Borislav Stoyanov 125th SU "Boyan Penev", American College of Sofia, Bulgaria
MP70	<b>ANALYSIS OF THE GENERALIZED QUEEN PROBLEM</b> Ivan Ventsislavov Georgiev Sofia High School of Mathematics Sofia, Bulgaria
MP71	<b>QUANTUM CRYPTOGRAPHY</b> Spanoudis Nikos De La Salle College, Thessaloniki, Greece
MP72	<b>MONTY HALL</b> Marko Praček St Stanislav Institution, Gymnasium, 23 Stula, 1000 Ljubljana, Slovenia
MP73	<b>COMPLEX &amp; IMAGINARY NUMBERS</b> William Brander, Aatharva Kawade Rygaards International School, Denmark
MP74	<b>SUNFLOWERS</b> Eylul Nihat Mediterranean High School, Larnaca, Cyprus
MP75	<b>BUTTERFLY EFFECT</b> Tuna Ercika, Ioanna Gerolemou, Veronica Camanide, Amalia Chari Mediterranean High School, Larnaca, Cyprus
MP76	<b>UNDERSTANDING COMPUTERS THROUGH OUR OWN VIDEO GAME</b> Leonidou Andreas, Theofanous Christos The GC School of Careers, Nicosia, Cyprus

MP77	<b>MATHS IN YOUR FACE</b> Michalis Michaelides, Klitos Philippides, Christos Romanos The GC School of Careers, Nicosia, Cyprus
MP78	<b>A MATHEMATICAL BIOGRAPHY OF THE PRICE OF LIGHT</b> Nikolas Markoullis The GC School of Careers, Nicosia, Cyprus
MP79	<b>A NOT SO SECRET TRIANGLE FULL OF SECRETS</b> Andreas Aloneftis , Theodoulos Ttelias, Sotiris Xiouros, Stephanos Zorpas The GC School of Careers, Nicosia, Cyprus
MP80	<b>BEYOND THE BORDER</b> Rolandi Theodora, Yiallouri Panagiota, Yiorkadji Mary The GC School of Careers, Nicosia, Cyprus
MP81	<b>WOMEN COUNT: TIME FOR CHANGE</b> Marion Kokkinou Kykkos A Lyceum, Nicosia, Cyprus
MP82	<b>HOW NOT TO GET AWAY WITH MURDER</b> Bobrova Lisa, Pastella Josephina, Prodromou Carolina The Senior School, Nicosia, Cyprus
MP83	<b>TICKETS AND BOXES</b> Kaloyan Todorov Fachikov Sofia High School of Mathematics "Paisii Hilendarski" Sofia, Bulgaria
MP84	<b>THIRD DEGREE EQUATIONS</b> Afonso Domingues, Tomás Lôbo Campinos Lycée Français Charles Lepierre, Lisboa, Portugal
MP85	<b>A "BEAUTIFUL MIND" FOR THE CYPRUS PROBLEM</b> Cosma Emelia, Koulermos Isabella, Skordi Iliana The Senior School, Nicosia, Cyprus
MP86	<b>MATHEMATICS IN SPORTS</b> Felous Filippou, Sapounaki Stella, Stamou Athanasios-Nikolaos, Tsagiannis Georgios The American College of Greece-Pierce, Greece
MP87	<b>HOW TO WIN AT SUDOKU</b> Kalleas Spyros, Katsareas Ilias, Mavrias Konstantinos, Peppes George, Politis Sotiris The American College of Greece-Pierce, Greece
MP88	<b>THE COMMON PROPERTY OF TRIANGLES 2-3-4 AND 3-4-5</b> Artur Kashnikov Tartu Annelinna Gymnasium Tartu, Estonia
MP89	<b>AN INTRODUCTION TO COMBINATORICS</b> Konstantinidis Konstantinos, Papadopoulou Aikaterini, Tzartzi Petroula Mandoulides High Schools, 12th km Highway Thessaloniki, Greece
MP90	<b>MATHEMATICS AND NATURAL SELECTION</b> Markou Anna, Christou Panos, Christou Adamos Theoretical Mathematics and Physics route at The Archbishop Makarios III Lyceum, Ktima, Paphos, Cyprus
MP91	<b>ETHNOMATHEMATICS</b> Panagiota Papakyriakou The Grammar School, Nicosia, Cyprus
MP92	<b>FIBONACCI SEQUENCE</b> Constantinos-Laertis Andrianos The Grammar School, Nicosia, Cyprus
MP93	<b>MATHEMATICS BEHIND THE GREAT PYRAMID</b> Christiana Katsarou, Eloise Charalambous, Eva Assiotou The Grammar School, Nicosia, Cyprus



MP94	<b>USING MATHS TO SOLVE RUBIK'S CUBE</b> Iosif Elia The Grammar School, Nicosia, Cyprus
MP95	<b>BENFORD'S LAW AND ITS ECONOMIC APPLICATIONS</b> Elisavet Aifanti Varvakeio Model High School of Athens, Greece
MP96	<b>DAY IN, DAY OUT</b> Andrej Bozic, Luka Kirincic, Luka Zmak Prva rijecka hrvatska gimnazija, Frana Kurelca 1, Rijeka, Croatia
MP97	<b>MATHEMATICS IN BOHEMIAN RHAPSODY</b> Lucijan Mofardin Prva rijecka hrvatska gimnazija, Frana Kurelca 1, Rijeka, Croatia
MP98	<b>MATHS AND CRIMINOLOGY</b> Kristia Kouppi, Athina Panayidou, Constantina Stefani, Eliana Gabrielides, Nguyen Ly Thuy Linh, Antigoni Ioannides, Ellie Mountoukou Pascal English School, Lemesos, Cyprus
MP99	<b>MATHEMATICS BEHIND THE IN ASPENDOS ANCIENT THEATRE ARCHITECTURE</b> Ensar Abdullah Demirbilek, Talha Yunus Demirbilek Ülkü Ortaokulu, Isparta Turkey
MP100	<b>INFINITY</b> Enzo Caldas, Martim Carvalho, Guilherme Terça Lycée Français Charles Lepierre, Lisboa, Portugal
MP101	<b>HISTORY AND APPLICATION OF LOGARITHM AND NEPERIAN NUMBER</b> Pouya Nazmi Mathematics Student, Writing Class, Ghadir high school, Zanjan, Iran
MP102	<b>APPLIED INTEGRATION: TAKING TOTAL IMPULSE OF THRUST-TIME CURVES FROM ACTUAL SOLID ROCKET MOTORS</b> Harry Amadeo King School, Stamford, CT 06905, USA
MP103	<b>THE LOGIC BEHIND QUATERNIONS</b> Konstantinos Leontiadis, Odisseas Nikolaos Mpalis Varvakeio Model High School of Athens, Greece
MP104	<b>DECODING MATHEMATICAL PATTERNS IN PLANTS</b> Talha Yunus Demirbilek, Ensar Abdullah Demirbilek Ülkü Ortaokulu, Isparta Turkey
MP105	<b>TREE (3)</b> Elias Vadebo, Anton Lundqvist Polhemskolan, Sweden
MP106	<b>QUICC MATHS: A GUIDE TO IGCSE REVISION</b> Marios Stavrou, Ioannis Papazacharias, Andreas Constandinides, Kyriakos Hadjimichael, Zacharias Ioannou The English School, Nicosia, Cyprus
MP107	<b>HISTORY OF MATH</b> Rosa Gustavo, Goual Adam Lycée Français Charles Lepierre, Lisboa, Portugal
MP108	<b>THE MATHS OF SPORTS OR AT LEAST OF SPORT BETTINGS</b> Botond Fehér Turku International School, Finland
MP109	<b>THE EULER LINE</b> Daeira Naskari, Katerina Kyriakidi, Natalia Triantafyllou, Elena Alevropoulou The Moraitis School, Athens, Greece
MP110	<b>THE MAGIC BEHIND THE NUMBER e</b> Konstantinos Koutoulidis, FoivosMilovanovic, Emmanuel Venios The Moraitis School, Athens, Greece

MP111	<b>COMPLEX NUMBERS AND THEIR IMPORTANCE IN EULER'S IDENTITY</b> Natalia Kokoromiti, Giorgos Kosmas, Stergios Birbilopoulos, Ariadni Pilioura The Moraitis School, Athens, Greece
MP112	<b>CRYPTOGRAPHY USING MATHS</b> Joseph Modestos Modestou International School of Paphos, Paphos, Cyprus
MP113	<b>PROBABILITY</b> Dina Novikova, Jessica Vikersjo, Daria Kyrlova, Olga Machowska International School of Paphos, Paphos, Cyprus
MP114	<b>WHAT YOU'LL FIND IN HIGHER DIMENSIONS</b> Tiana Taliotou, Kiriakh Hadjipanayiotou, Anna Maria Hadjipanayiotou, Andreas Hadjitofis, Solwnas Konstantinou Theoretical Mathematics and Physics route at The Archbishop Makarios III Lyceum, Ktima, Paphos, Cyprus
MP115	<b>CLIMATE CHANGE CONTROL THROUGH GAME THEORY</b> Economou Kyriaki, Kyriacou Semeli, Christodoulou Eleftheria Lyceum A' Ethnarchis Makarios III Pafos, Cyprus
MP116	<b>ETHNOMATHEMATICS</b> Ismini Anagnostou, Stella Dimitriou, Danai Fragki, Sophia Gkourogianni, Alexia Zafeiriou Nea Genia Ziridis, Athens, Greece
MP117	<b>HYPATIA AND MIRZAKHANI</b> Voula Argyropoulou, Eleftheria Margariti, Eleni Matzouka, Eleni Papadomanolaki Nea Genia Ziridis, Athens, Greece
MP118	<b>CRACKING A LOCK USING MATHS</b> Natalia Eleftheriou, Despina Vasiliou The Senior School, Nicosia, Cyprus
MP119	<b>HEXAPAWN – A GAME THAT LEARNS</b> Eva Deftera, Sotiris Efstathiou The Senior School, Nicosia, Cyprus
MP120	<b>WHAT MAKES US SPEND MORE IN SUPERMARKETS, AND FEEL GOOD WHILE DOING IT</b> Mehmet Derin Ozser The Senior School, Nicosia, Cyprus
MP121	<b>INFINITY CAN VARY</b> Dasia Razumova The Senior School, Nicosia, Cyprus,
MP122	<b>MATH IN OUR LIFE</b> Vasilis Papaioannou IE' Agios Neophytos School- Kato Polemidia, Lemesos, Cyprus

### ACCEPTED PRESENTATIONS BY STUDENTS (EUROSCIENCE)

No	Title, presenters
SP1	<b>PHYSICS IN CARTOONS</b> Nikita Guz, Dohyun Lee International School of Moscow, Russia
SP2	<b>BLACK HOLES AND HOW THEY ROTATE</b> Amira Sembieva International School of Moscow, Russia
SP3	<b>BUILDING A BLACK HOLE BOMB</b> Varvara Muminova International School of Moscow, Russia
SP4	<b>DARK MATTER: WHY DOES IT MATTER?</b> Maria Tivanova The Heritage Private School, Palodia, Limassol, Cyprus

SP5	<b>THE SECRETS OF THE SUBCONSCIOUS MIND</b> Lucia Hosein, Elizabeth Holt International School of Moscow, Russia
SP6	<b>GENETIC MUTATIONS: SUPERHEROS AND LACTOSE INTOLERANCE</b> Taisia Smirnyagina International School of Moscow, Russia
SP7	<b>HOW DO WE LEARN?</b> Anastasia Vidyaeva International School of Moscow, Russia
SP8	<b>THE FUTURE OF THE MICROCOSM</b> Yegor Kim, Pavel Burya, Konstantin Popov International School of Moscow, Russia
SP9	<b>TRAVELLING IN SPACE, THROUGH SCIENCE</b> Napolina Yiannakou The Heritage Private School, Palodia, Limassol, Cyprus
SP10	<b>ANTI-NUCLEAR MISSILE DEFENCE</b> Stepan Malov International School of Moscow, Russia
SP11	<b>THE FUSION REACTOR</b> Egor Kuzmichev International School of Moscow, Russia
SP12	<b>MAXIMUM POSSIBLE DEPTH THAT CAN BE REACHED DURING A FREEDIVE (NLT)</b> Alisa Polyakova International School of Moscow, Russia
SP13	<b>THE SCIENCE BEHIND THE BOMB</b> Platon Kachkaev International School of Moscow, Russia
SP14	<b>CHERNOBYL AFTERMATH</b> Yuna Apryatina, Sofia Musakhanova International School of Moscow, Russia
SP15	<b>THE FANTASTIC SCIENCE OF FLIGHT</b> Leonid Elkin International School of Moscow, Russia
SP16	<b>THE SCIENCE OF FLIGHT</b> Young Joo Jo International School of Moscow, Russia
SP17	<b>HISTORY, FUTURE AND STORY OF IVF</b> Maria Vilstrup Rygaards International School, Denmark
SP18	<b>THE POWER OF THE MIND</b> Sara Švegović Gimnazija "Fran Galović" Koprivnica, Croatia
SP20	<b>TRAVEL IN TIME WITH THE HELP OF WORMHOLES</b> SHAKILA HAMDY Farzaneghan 1, Iran
SP21	<b>Left or Right Brain - Theory or Reality?</b> Ana Christina Johansson and Sophia Rosalinda Tammi Rygaards International School, Denmark
SP22	<b>The Science Behind Emotions</b> Anwita Karanth and Lucia Alice Pitman Rygaards International School, Denmark
SP23	<b>DARK ENERGY AND DARK MATTER</b> Areeb Sadath Jan Rygaards International School, Denmark

SP24	<b>ORBITAL MECHANICS OF THE MOTION OF PLANETS AROUND THE SUN</b> Rohit Roy Chowdhury Rygaards International School, Denmark
SP25	<b>PHYSICS OF FOOTBALL</b> Evgenios Evgeniou, Stathis Matolis, Michalis Mishelis American Academy Larnaca, Cyprus
SP26	<b>GENES AT WORK, A BOARD GAME</b> Romano Raffaele, Amen Alessandro, Esposito Emanuele Istituto Statale per l'Istruzione Secondaria "Europa", Pomigliano d'Arco, Naples, Italy
SP27	<b>YES, CELLS COUNT</b> Federica D'Agnese, Serena Pagano Istituto Statale per l'Istruzione Secondaria "Europa", Pomigliano d'Arco, Naples, Italy
SP28	<b>LIGHT, WAVE OR PARTICLE?</b> Hritik Roy Chowdhury Rygaards International School, Denmark
SP29	<b>WEB RADIO LIVE</b> Alberto Pesce Istituto Statale per l'Istruzione Secondaria "Europa", Pomigliano d'Arco, Naples, Italy
SP30	<b>IS LAB-GROWN MEAT SUITABLE FOR MASS CONSUMPTION?</b> Bakogiannis Eleftherios, Chatzakou Christine, Kakos Nickolaos, Nikolaou Konstantina, Tamvakas Chris The American College of Greece-Pierce, Athens, Greece
SP31	<b>CAR T-CELL IMMUNOTHERAPY: REVOLUTIONIZING CANCER TREATMENT</b> Ploumis Georgios, Sadopoulos Evaggelos Angelos, Tsikou Vasiliki Silvia The American College of Greece-Pierce, Athens, Greece
SP32	<b>THE NEW ERA OF ELECTRIC VEHICLES</b> Mistrioti Myrto, Tasouli Vasiliki, Karamouzi Vasileia, Bouris Eleni Ioannna, Mafoutsis Yasmine The American College of Greece-Pierce, Athens, Greece
SP33	<b>LIGHT BULBS, LET'S SEE IT CLEARLY!</b> Esposito Emanuele, Romano Raffaele, Amen Alessandro Istituto Statale per l'Istruzione Secondaria "Europa", Pomigliano d'Arco, Naples, Italy
SP34	<b>COPY AND PASTE...THE FUTURE?</b> Eleni Maria Vlotomas International School of Paphos, Paphos, Cyprus
SP35	<b>OUR VULNERABILITY TOWARDS OUR CYBER LIFE</b> Arian Adeli Koodehi International School of Paphos, Paphos, Cyprus
SP36	<b>CELEBRITIES AND GLOBAL WARMING</b> Andreas Tavros International School of Paphos, Paphos, Cyprus
SP37	<b>PROSTHETICS</b> Nersu Yahia Mediterranean High School, Larnaca, Cyprus
SP38	<b>WHAT WILL HAPPEN IF EVERYONE IN THE WORLD WENT TO SLEEP AT THE SAME TIME AND WOKE UP AT THE SAME TIME?</b> Alex Kalaitidis Mediterranean High School, Larnaca, Cyprus
SP39	<b>AUTISM SPECTRUM DISORDER</b> Maria Yiasoumi, Destine Akokcu Mediterranean High School, Larnaca, Cyprus
SP40	<b>TELEPORTATION: WHAT IS IT REALLY?</b> Anna Kalaitidou Mediterranean High School, Larnaca, Cyprus

SP41	<b>DO YOU WISH YOU HAD A DOLPHIN'S BRAIN?</b> Elli Paphiti International School of Paphos, Paphos, Cyprus
SP42	<b>A STEM CELL DEBATE</b> Eleni Diogenous International School of Paphos, Paphos, Cyprus
SP43	<b>BEAUTY COMES FROM WITHIN</b> Salomi Perikleous, Tanya Vinogradova International School of Paphos, Paphos, Cyprus
SP44	<b>FERMI PARADOX</b> Foteini Kioutsouki, Evangelos Neophytou The Grammar School, Nicosia, Cyprus
SP45	<b>SCHRÖDINGER'S CAT</b> George Rovantias The Grammar School, Nicosia, Cyprus
SP46	<b>VIRTUAL REALITY</b> Theofanis Themistocleous, Nicole Charalambous, Davina Bentley, Marilena Constantinou American Academy Larnaca, Cyprus
SP47	<b>PRODUCING RENEWABLE FORM OF ENERGY FROM AGRICULTURAL BIOMASS</b> Kiril Ristevski, Gordana Todorova Yahya Kemal College, Skopje, North Macedonia
SP48	<b>CONVERSION OF WASTE INTO NON-RETROGRADABLE ECO-FRIENDLY SOLUBILIZING AGENT</b> Rozafa Cana Yahya Kemal College, Skopje, North Macedonia
SP49	<b>MACHINE LEARNING AND ARTIFICIAL NEURAL NETWORKS</b> Haris Papadopoulos Delasalle High School, Thessaloniki, Greece
SP50	<b>MODERATE DEATH</b> Efsthadiadou Konstantina, Koralia Karapataki, Chrysovalandia Menicou, Anna Orthodoxou American Academy Larnaca, Cyprus
SP51	<b>THE ANATOMY OF COLOUR</b> Linnea Kärrman, Oskar Vågsäter Polhemskolan, Sweden
SP52	<b>CLEANING UP OIL SPILLS WITH NANOTECHNOLOGY AND MAGNETS</b> Christina Rokana, Artemis Tsopanelis Geitonas School, Sternizes Koropiou, Athens, Greece
SP53	<b>STEM CELLS AND THEIR APPLICATIONS AS FUTURE MEDICINE</b> Mani Mehanfar Zanjan National Organization for Development of Exceptional Talents, Shahid Beheshti 1 Senior High School Zanjan, Iran
SP54	<b>GENE THERAPY</b> Bampatsias Stergios, Pantazis Angelos Varvakeion Model Junior High School, Athens, Greece
SP55	<b>TRAVELLING WITH TIDES</b> Giorgos Alexandrou, Marcos Phinikarides The GC School of Careers, Nicosia, Cyprus
SP56	<b>TO EAT OR NOT TO EAT</b> Erato Markantoni, Gregoria Samouti The GC School of Careers, Nicosia, Cyprus
SP57	<b>THE SCIENCE BEHIND SUPERHEROES</b> Georgios Karagiannis, Petros Kyriacou, Stylianos Lois, Stylianos Tamasios The GC School of Careers, Nicosia, Cyprus

SP58	<b>THE POWER OF THE SUBCONSCIOUS MIND</b> Carolina Hadjidemetriou, Dimitris Kassianides The GC School of Careers, Nicosia, Cyprus
SP59	<b>STRING THEORY- THE POSSIBLE THEORY OF EVERYTHING</b> Melina Bell Geitonas School, Sternizes Koropiou, Athens, Greece
SP60	<b>WIM HOF METHOD</b> Jošt Lombardo St Stanislav Institution, Gymnasium, 23 Stula, 1000 Ljubljana, Slovenia
SP61	<b>IDENTIFICATION OF MECHANISMS AND FEATURES OF COLOR FORMATION BASED ON THE MEASUREMENT OF THE TRANSMISSION SPECTRUM OF DYES IN WATER SOLUTIONS</b> Maksim Turovski Tartu Annelinna Gymnasium Võru 186, Tartu, Estonia
SP62	<b>INVESTIGATION OF THE RELATIONSHIP BETWEEN THE COLOR OF AN INCANDESCENT LAMP, THE EMISSION SPECTRUM AND THE FILAMENT'S TEMPERATURE. OR ELSE, WHAT IS THE SURFACE TEMPERATURE OF A STAR?</b> Miltiadis Raptis, Agrippina Margaritou Geitonas School, Sternizes Koropiou, Athens, Greece
SP63	<b>ELUCIDATING THE MYSTERY OF STARS AND BLACK HOLES</b> Maria Nicolaidis, Kosmas T. Papadopoulos American Academy Larnaca, Cyprus
SP64	<b>DOES TIME EXIST?</b> Tatiana Pelecanou, Demetra Efstathiou, Mary Efstathiadou, Despina Michaelidou American Academy Larnaca, Cyprus
SP65	<b>SPACE EXPLORATION</b> Tarek Abd El-Aziz Yahya Kemal College, Skopje, North Macedonia
SP66	<b>SPACE AND PLANETS</b> Melina Iacovou, Loukia Stavrou American Academy Larnaca, Cyprus
SP67	<b>ENO-CARPOLOGICAL STUDY OF GEORGIAN VINE SPECIES PROTECTED IN GEORGIA AND EVALUATION OF THEIR ANTIOXIDANT PROPERTIES</b> Luka Kuchukhidze, Maria Lomaia, Elizabeth Martiashvili, Liza Kuprashvili Tbilisi International School, Georgia
SP68	<b>THE ROBOTS KINGDOM IS NEAR</b> Dimitris Papamiltiades, NickyHadjigeorgiou, Antriana Kranidioti, Giannis Marmaras Lyceum A' Ethnarchis Makarios III, Paphos, Cyprus
SP69	<b>THE DOUBLE SLIT EXPERIMENT</b> Andreas Ierotheou The English School Nicosia, Cyprus
SP70	<b>PLASTIC POLLUTION: WHAT IS NEXT?</b> Alberto Mparkis, Sotiris Panagakis, Christina Papaefthimiou, Marios Pantazopoulos Nea Genia Ziridis, Athens, Greece
SP71	<b>GYROSCOPIC ROTATION</b> Kyriakos Dodson, Oliver Williams, Joshua Bryans, Parisinos Cavaye International School of Paphos, Paphos, Cyprus
SP72	<b>TIME IS RELEVANT OR ISN'T IT?</b> Elena Mantzouka Nea Genia Ziridis, Athens, Greece
SP73	<b>ROBOTS TAKE CONTROL</b> Danai Fragki Nea Genia Ziridis, Athens, Greece

SP74	<b>RENEWABLE RESOURCES OR PLANET DISASTER?</b> Georgios Chrysou, Daniela Felouri Nea Genia Ziridis, Athens, Greece
SP75	<b>HOW TO YOU FUND YOUR GENES?</b> Arian Adeli Koodehi International School of Paphos, Paphos, Cyprus,
SP76	<b>BACTIRIOPHAGES</b> Dasia Razumova The Senior School, Nicosia, Cyprus
SP77	<b>LIFE AND WORK OF ISAAC NEWTON</b> Zenonos Andreas, Ellinas Pavlos Lyceum A' Ethnarchis Makarios III, Paphos, Cyprus
SP78	<b>THE WORLD THROUGH THE EYES OF AN ANIMAL</b> Anna Panagiotou Lyceum A' Ethnarchis Makarios III, Paphos, Cyprus
SP79	<b>THE WEIRDEST PHYSICAL PHENOMENA</b> Marilena Alexandrou, Anna Andreou, Kyriaki Neofytou, Artemis Katsonouri, Natalia Constantinou Lyceum A' Ethnarchis Makarios III, Paphos, Cyprus
SP80	<b>A MATHS PILL</b> Amoriello Pietro, Bovino Stefania , Iannella Alessia Liceo Scientifico "G. Rummo" Benevento, Italy
SP81	<b>STARS, EMBRYOS, AND THE UNITING POWER OF ALGORITHMS</b> Janat Derawi, Noor Farid Mediterranean High School, Larnaca, Cyprus
SP82	<b>THE BOTTLE FLIP</b> Shana-Maria Gossoub, Dariia Khudobiak, Ceren Semiye, Noa Alessia Phil, Naomi Gonzaga Gerber, Olga Georgiou, Caelan Jackson Byrne Grade 6 Med Junior School, Larnaca, Cyprus
SP83	<b>FOOTBALL MATHEMATICS AND PHYSICS</b> Bruna Plese Prva rijecka hrvatska gimnazija, Frana Kurelca 1, Rijeka, Croatia