

EUROMATH & EUROSCIENCE Conference 2025 and European STEAME Academy Symposium 2025 Accepted Workshops and Presentations

| | EUROPEAN STEAME-ACADEMY SYMPOSIUM 2025 Presentations and Workshops OPEN to Euromath & Euroscience participants | TYPE |
|-----|--|--------------------------|
| PL1 | WHAT IS INTELLIGENCE? Tomasz Szemberg Professor of Mathematics, University of the National Education Commission in Krakow, Poland | Plenary talk |
| SY1 | STEAM BASED LEARNING LESSON (The Detective of the Bell) Kyriaki Evripidou Physics Teacher, Pancyprian Gymnasium, Cyprus | Presentation |
| SY2 | SUSTAINABLE DEVELOPMENT GOALS AND STEM EDUCATION FOR GIFTED CHILDREN Çelebi Kalkan Murat Kantarcı Science and Art Center, Turkiye | Presentation |
| SY3 | EXPLORING INSTITUTIONAL VIEW ON THE UNDER-REPRESENTATION OF GIRLS AND WOMEN IN STE(A)M: FINDINGS FROM THE 2024 STREAM IT STUDY Katalin Oborni HETFA Research Institute, Hungary | Presentation |
| SY4 | THE ROLE OF MICROELECTRONICS IN STEAM EDUCATION Bernd Deutschmann Head of Institute of Electronics, Graz University of Technology, Austria | Presentation |
| SY5 | EuropeAn NETWORK OF STEAM EDUCATORS: ADVANCING STEAM EDUCATION ACROSS EUROPE Dr. Iro Koliakou Head of STEM Anatolia College Anna Papageorgiou STEM Center EASE- EuropeAn network of STEAM Educators | Presentation |
| SY6 | ENHANCING MATHEMATICAL GIFTEDNESS: THINKING TASKS AS A TOOL FOR IDENTIFICATION AND DEVELOPMENT Valentina Gogovska, Daniela Stojanovska UKIM, Faculty of Natural Sciences and Mathematics-Skopje, North Macedonia | Presentation |
| WS1 | CALCULATE AND COLOR Iva Özaltın, Mara Grašić Osnovna skola "Braca Radic" Koprivnica, Croatia | Workshop for students |

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| WS2 | KINGS OF FRACTIONS Mara Grašić, Iva Özaltın Osnovna skola "Braca Radic" Koprivnica, Croatia | Workshop for students |
| WS3 | ACID RAIN: CHEMISTRY, IMPACT, AND SUSTAINABLE SOLUTIONS Loukia Louka International School of Paphos, Cyprus | Workshop for students |
| WS4 | RECURRING DECIMALS Marios Nye International School of Paphos, Cyprus | Workshop for students |
| WS5 | HOW IMPORTANT IS A QUESTION IN YOUR LESSON? Claire Polycarpou International School of Paphos, Cyprus | Workshop for teachers |
| WS6 | ARSTEAMAPP: ENRICHING OUR SUSTAINABLE FUTURE Elena Matroana Hreciuc, Mihalache Iuliana Mihaela Secondary School Ion Creanga Suceava, Romania | Workshop for teachers and students |
| WS7 | IS TASTE JUST SMELL? Claire Polycarpou International School of Paphos, Cyprus | Workshop for students |
| WS8 | INTERACTIVE LEARNING THROUGH PLAY Željka Hanžek*, Iva Özaltın** Osnovna škola "Antun Nemčić Gostovinski" Koprivnica*, Osnovna skola "Braca Radic" Koprivnica**, Croatia | Workshop for students |
| WS9 | THE MAGIC OF π: A JOURNEY THROUGH NUMBERS, POETRY, AND FUN Georgios Tzachristas Student, School of Electrical and Computer Engineering - National Technical University of Athens | Workshop for students |
| WS10-A WS10-B | BLINKING LIGHTS: SOLDER YOUR OWN CIRCUIT *Deutschmann Bernd, **Maier Christoph, **Juch Nikolaus** **TU-Graz, Head of Institute, **TU-Graz, Master Student, ***TU-Graz, Bachelor Student, Austria | Workshop for students With repetition in the programme |
| WS11 (SYW4) | TEAM BUILDING FOR PROJECT BASED LEARNING IN STEAME EDUCATION Ioannis Lazarou Cyprus Mathematical Society, Cyprus | Workshop for teachers |
| WS12 (SYW5) | EMPOWERING STEAME EDUCATION WITH AI TOOLS Kyriacos Matheou Cyprus Mathematical Society, Cyprus | Workshop for teachers |
| WS13 (SYW6) | STEAME EVALUATION METHODS with emphasis in PBL Andreas Skotinos European Association of Career Guidance, Cyprus | Workshop for teachers |
| WS14 (SYW3) | PROJECT-BASED LEARNING: AUTHENTIC LEARNING ADVENTURES Eleni Papageorgiou Cyprus Pedagogical Institute, Cyprus | Workshop for teachers |

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| WS15 (SYW7) | AI-ENHANCED DEVELOPMENT OF STEAME LEARNING & CREATIVITY PLANS Thomas Economou, Elpiniki Margariti Doukas School, Athens, Greece | Workshop for teachers |
| WS16 (SYW8) | STE(A)M Learning Ecologies (SLEs), by SCIENTIX Ioana Caraghiozov Project officer at the Science Education Department of European Schoolnet | Workshop for teachers and students |
| WS17 (SYW9) | THE INS AND OUTS OF EMBRACING NATURE-BASED SOLUTIONS IN SUSTAINABILITY EDUCATION AS SEEN THROUGH THE LENS OF NBS EduWORLD AND SCIENTIX® Ivelina Ivanova Project manager at the Science Education Department of European Schoolnet | Workshop for teachers |
| WS18 (SYW1) | GENDER PERSPECTIVES AND TOOLS IN STEM EDUCATION: INSIGHTS AND PRACTICES FROM THE STREAM IT PROJECT Katalin Oborni HETFA Research Institute, Hungary | Workshop for teachers |
| WS19 (SYW2) | Workshop on "EPI – STEAME" Sotos Voskarides Affiliate Professor, Cyprus University of Technology, Cyprus | Workshop for teachers and students |
| WS20 (SYW10) | BLOOMING THE FUTURE: EMPOWERING GENDER EQUALITY IN STEAM EDUCATION Dr. Iro Koliakou Head of STEM Anatolia College Anna Papageorgiou STEM Center EASE- EuropeAn network of STEAM Educators | Workshop for teachers |
| WS22 | TRANSFORM YOUR CLASSROOM: LEVERAGING VR FOR ENGAGED LEARNING Dr. Vlasios Kasapakis Assistant Professor, Department of Cultural Technology and Communication, University of the Aegean, Greece | Workshop for teachers |
| WS23 | STEP INTO THE FUTURE: EXPLORING VIRTUAL REALITY LEARNING ENVIRONMENTS Dr. Vlasios Kasapakis Assistant Professor, Department of Cultural Technology and Communication, University of the Aegean, Greece | Workshop for teachers and students |

EUROMATH PRESENTATIONS 2025

| No | Title, presenters |
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| MP1 | <p>THE MAGIC OF CHAOS: UNVEILING THE DYNAMICS OF THE LOGISTIC MAP Anthi Eleni-Pinelopi, Diamanti-Polychronopoulou Danai, Nasi Virginia, Tourva Irini The Moraitis School, Athens, Greece</p> |
| MP4 | <p>FROM DECORATING THE ALHAMBRA TO MODERN TILING THEORY Georgountzos Alexandros, Kokkinos Filippas, Lalis Ion The Moraitis School, Athens, Greece</p> |
| MP102 | <p>SPLITTING THE RENT, A FAIR DIVISION PROBLEM Vassilis Kekis, Dimitris Zafeiropoulos, Nikolas Gerasopoulos, Apostolos Zachos The Moraitis School, Athens, Greece</p> |
| MP101 | <p>ZENO'S PARADOXES Dinos Papathanasiou The Moraitis School, Athens, Greece</p> |
| MP2 | <p>GOTCHA? PARADOXES AND FALLACIES IN MATH & LOGIC Aashna Khot, Rohin Khot Meritorin Koulu School, Finland</p> |
| MP3 | <p>BEES AND REGULAR HEXAGONS Polymeropoulos Dimitris, Kagioglidis Panagiotis, Spyridakis Michalis, Chandakas Stylianos, Saounatsos Alexandros, Peppas Ioannis Erasmios Ellinogermanic School, Athens, Greece</p> |
| MP13 | <p>EQUILATERAL AND EQUIANGULAR SHAPES Giatrakos Nikolaos, Gavathas Konstantinos, Valasopoulos Panagiotis, Giobliakis Dimitrios, Dimopoulos Giorgos Erasmios Ellinogermanic School, Athens, Greece</p> |
| MP15 | <p>GOLDEN RATIO AND FIBONACCI SEQUENCE Antonis Kyritsis, Giannis Kalloutsis, Theodoros Koutras, Konstantinos Moschonas, Aggelos Fanourgakis, Achilleas Tsergas Erasmios Ellinogermanic School, Athens, Greece</p> |
| MP5 | <p>THE MATH BEHIND BLOOD FLOW Marielena Neophytou Kykkou B Lyceum, Nicosia, Cyprus</p> |
| MP6 | <p>THE SOUND OF MATHEMATICS Maria Andra, Xristina – Eleni Douloudi Mandoulides Schools, Thessaloniki, Greece</p> |
| MP16 | <p>ESCAPE ROOMS IN TEACHING MATHEMATICS: A LITERATURE REVIEW Ariana Sarafi, Yianna Stefanou Mandoulides Schools, Thessaloniki, Greece</p> |

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| <p>MP17 MATHEMATICS IN ARCHITECTURE: THE ART OF PRECISION AND INNOVATION Anastasia Bata, Annetta Gkolna, Konstantinos Chatzigeorgiou Mandoulides Schools, Thessaloniki, Greece</p> |
| <p>MP18 FRIENDSHIPS THROUGH STATISTICS Rallis Maroulas, Anthi Sklavou, Charis Chalkiotis Mandoulides Schools, Thessaloniki, Greece</p> |
| <p>MP56 MATHEMATICS AND TENNIS Alkinoos Christoforidis, Andreas Nedeltsidis Mandoulides Schools, Thessaloniki, Greece</p> |
| <p>MP71 THE “BEAUTIFUL GAME”: A DATA-DRIVEN APPROACH TO FÚTBOL ANALYTICS Sotiris Kouvelas Mandoulides Schools, Thessaloniki, Greece</p> |
| <p>MP7 HOW CRYPTOGRAPHY WORKS: CREATING YOUR OWN CIPHERS Dmitrii Stiuflijev Med High Private English School, Larnaca, Cyprus</p> |
| <p>MP8 MATHEMATICS BEHIND CRYSTALS Natasa Michailidou, Kayla Pasha, Dorin Kliger Med High Private English School, Larnaca, Cyprus</p> |
| <p>MP9 PROBABILITIES AND COMBINATORIES Antiukov Myron Med High Private English School, Larnaca, Cyprus</p> |
| <p>MP10 THE MATHEMATICS OF SENSE(S) Nikolina Markovic, Jana Pantelic, Stefan Jovanovic High School “Sveti Sava”, Serbia</p> |
| <p>MP11 MATHEMATICS AND FOOTBALL Ioannis Alkiviades, Nikolas Hadjichristou, Afxentis Ioannou, Andreas Konstantinou, Adamos Kosma, Stylianos Michael, Theodoros Protopapas, Panagiotis Vasiliou Xenion High School, Cyprus</p> |
| <p>MP12 FRACTALS Maria Messiou, Marios Economou Xenion High School, Cyprus</p> |
| <p>MP14 THE ART OF CHAOS (THE BUTTERFLY EFFECT) Konstantinos Kouimitzis Doukas School, Athens, Greece</p> |
| <p>MP19 LAPLACE’S DEMON: DETERMINISM AND RANDOMNESS Katomeris Georgios, Gourlis Achileas Doukas School, Athens, Greece</p> |

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| <p>MP20 PINEAPPLE SHAPE Proios Dimitrios, Tsintzos Georgios, Hongchen Zhu Doukas School, Athens, Greece</p> |
| <p>MP21 MATHEMATICS BEHIND THE RUBIK'S CUBE Konstantinos Tzermiadianos Doukas School, Athens, Greece</p> |
| <p>MP22 THE SHAPE OF A SNOWFLAKE Delieza Adamantia, Xiaohe Wang Doukas School, Athens, Greece</p> |
| <p>MP25 HOW THALES MEASURED THE HEIGHT OF THE GREAT PYRAMID OF GIZA Margaritis Philippos, Antoniadis Theodore Doukas School, Athens, Greece</p> |
| <p>MP29 HOW ERATOSTHENES ACCURATELY CALCULATED THE VALUE OF EARTH'S PERIMETER, USING ONLY SIMPLE OBSERVATIONS AND GEOMETRY Brouzakis Anastasios Doukas School, Athens, Greece</p> |
| <p>MP30 THE HIDDEN PATTERNS IN PRIME NUMBERS Georgios Pateras, Christophoros Chiras Doukas School, Athens, Greece</p> |
| <p>MP42 CASINO AND MATHEMATICS Filoxenidis Stavros-Loukas Doukas School, Athens, Greece</p> |
| <p>MP87 DICE WITH MATHS Myronas Andreakos, Cai Weizhe Doukas School, Athens, Greece</p> |
| <p>MP88 THE KARDASHEV SCALES Chokias Nikolaos Doukas School, Athens, Greece</p> |
| <p>MP99 HOW TO MAKE A STRIKE Mamakou Despoina, Mouteveli Paraskevi Doukas School, Athens, Greece</p> |
| <p>MP23 THE MATHEMATICS THAT GOVERNS LIFE: BEHIND THE HEARTBEAT Mario Petraccaro Liceo Scientifico "G. Rummo", Benevento, Italy</p> |
| <p>MP24 THE HIDDEN CODES OF THE COLD WAR Gentilcore Fabio, Manocchio Giuseppe, Pica Angela, Vernacchio Erika Liceo Scientifico "G. Rummo", Benevento, Italy</p> |

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| <p>MP26 THE FUTURE IN NOW: TESLA ROBOTS Bruno Boscaino, Chiara De Nigris, Antonio Fusco Liceo Scientifico "G. Rummo", Benevento, Italy</p> |
| <p>MP27 HEALING NUMBERS Luigi Mancini, Christian Ianaro, Simone Ianaro Liceo Scientifico "G. Rummo", Benevento, Italy</p> |
| <p>MP28 NOTHING IS AS IT SEEMS Auciello Angela, Caliendo Samuele, Iacovella Gaya, Tavini Andrea Celeste Liceo Scientifico "G. Rummo", Benevento, Italy</p> |
| <p>MP84 THE AERODYNAMICS OF FORMULA 1 Domenico Landolfi Liceo Scientifico "G. Rummo", Benevento, Italy</p> |
| <p>MP85 MATHS WEARS PRADA Vittoria Panarese Liceo Scientifico "G. Rummo", Benevento, Italy</p> |
| <p>MP31 FUN-MATHEMATICS Paris Zamboglou, Eleni Antoniou, Avgoustina Theodoridou, Alexandros Fasouliotis, Nicou Johnny, Marinos Christodoulou, Marina Panayidou, Marialena Fantousis, Pasik Larry PASCAL Private Secondary School Lemesos, Cyprus</p> |
| <p>MP32 DO YOU SEE A CUP OR A DONUT? POINCARÉ'S CONJECTURE Kleovoulos Zolotas, Victoria Thomaidi, Theano Kyriakou, Kalliopi Plastourgou Europaiko Protypo, Athens, Greece</p> |
| <p>MP33 RITHMOMACHIA, THE BATTLE OF AGREEMENTS OF NUMBERS Theodora Vasilaki, Stelios Kavvadas, Manos Kargiotakis, Elli Kordellou, Rengina Neroutsou Europaiko Protypo, Athens, Greece</p> |
| <p>MP34 THE RIDDLE OF THAMBRINIS: WHAT TYPE OF FISH DOES THE GERMAN POSSESS? Thanasis Zarkaliou, Lambros Krithinas, Giannis Siganakis Europaiko Protypo, Athens, Greece</p> |
| <p>MP35 GEODESIC LINES ON THE SURFACE Sofiiia Andrusenko Pisochyn Lyceum, Kharkiv, Ukraine</p> |
| <p>MP36 CAN MUSIC BE ANALYZED MATHEMATICALLY? Ivan Ananev, Evgeniy Kolkovskiy, Lizaveta Kurylava, Kseniia Shchepetova, Mikhail Zubkov The Island Private School of Limassol, Cyprus</p> |
| <p>MP37 MATHEMATICS IN A.I. Tymur Marchenko The Island Private School of Limassol, Cyprus</p> |

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| <p>MP38 INFINITY IS EVERYWHERE Elizaveta Veselik The Island Private School of Limassol, Cyprus</p> |
| <p>MP39 GOLDEN FACADES: THE RATIO BEHIND MODERN BEAUTY Athina Nicole Kolovou, Anastasia Hadjichristou, Elli Kappellou, Michaela Neokleous American Academy Larnaca, Cyprus</p> |
| <p>MP40 THE GOLDEN RATIO: AESTHETICS OF PERFECTION Liangxuan Yu, Mengci Xie American Academy Larnaca, Cyprus</p> |
| <p>MP41 WHEN NUMBERS MEET THE RING Tristan Alexandrou, Michael Calligeris, Stefanos Kypri, Panagiotis Angonas, Sotos Afxentiou, Yu Hon Harry Hu American Academy Larnaca, Cyprus</p> |
| <p>MP43 TRIANGLE DRAMA: THE TRUE INVENTORS OF THE PYTHAGOREAN THEOREM Xihan Xie, Melina Lellepi, Michael Duan, Kavish Gangrade Foley's School, Limassol, Cyprus</p> |
| <p>MP44 MANURE VS FIREWOOD: CALCULATING THE SPECIFIC HEAT OF AN ALTERNATIVE FUEL (MANURE) Nikoloz Chkareuli, Davit Bitsadze, Lekso Pitskhelauri, Paata Liklikadze Tbilisi International School, Georgia</p> |
| <p>MP49 APPLICATIONS OF PARABOLIC CONIC SECTION Anastasia Kikvadze, Bachana Ardoteli, Andria Kartoza, Anastasia Nikoladze, Barbare Tabidze Tbilisi International School, Georgia</p> |
| <p>MP46 DO ANY ODD PERFECT NUMBERS EXIST? THE OLDEST UNSOLVED PROBLEM IN MATHS Ismini Herodotou The Grammar School, Nicosia, Cyprus</p> |
| <p>MP47 RECOIL AND BALISTICS THE MATHEMATICAL PRECISION BEHIND GUNS Antreas Michailidis, Nikolas Felekkis The Grammar School, Nicosia, Cyprus</p> |
| <p>MP48 CONNECTING THE DOTS: THE MATHS OF SOCIAL NETWORKS Michelle Papadopoulou, Georgina Anastasiadou The Grammar School, Nicosia, Cyprus</p> |
| <p>MP50 HARMONIC EQUATIONS: THE MATH BEHIND VOCAL SOUNDS Andria Agathocleous, Marina Petsa The Grammar School, Nicosia, Cyprus</p> |
| <p>MP51 KNOT THEORY Stefanos Afxentiou The Grammar School, Nicosia, Cyprus</p> |

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| <p>MP52 GAME... SET...MATH Nikolas Toumbas The Grammar School, Nicosia, Cyprus</p> |
| <p>MP45 WHEN GEOMETRY "PAINTS" ALGEBRA: VISUALIZING PROPERTIES OF ADDITION AND MULTIPLICATION Alkmini Alexopoulou, Elvira Gavriil, Panagiota Basanou, Aggelina Michalakea, Maria Michalakea, Martha Zourari, Ilias Giannakakos, Thanos Vaitoudis, Sofia Nika, Konstantina Baritaki, Stathis Christides I.M.Panagiotopoulos School, Athens, Greece</p> |
| <p>MP53 LOCI Konstantinos Kallergis, Vaggelis Lamprinakos, Giannis Patelis, Fotis Stamatopoulos, Pantelis Stefanou I.M.Panagiotopoulos School, Junior High School, Athens, Greece</p> |
| <p>MP54 MATHEMATICAL GAMES IN ACTION: STUDENTS PERSPECTIVES AND EDUCATIONAL APPLICATIONS Michalakea Maria, Alexopoulou Alkmini, Zourari Martha, Michalakea Aggelina, Sofia Nika, Baritaki Konstantina, Stathis Christides, Panagiotis Skiadas I.M.Panagiotopoulos School, Athens, Greece</p> |
| <p>MP55 PYTHAGOREAN TRIADS Melina Athanasopoulou, Giannis Bogiatzis, Michalis Ligkas Kaplanis, Christina Logotheti, Chara Maria Pantazopoulou, Kalliroi Politou I.M.Panagiotopoulos School, Junior High School, Athens, Greece</p> |
| <p>MP57 CONFUSION IS PART OF THE PROCESS: HOW TO SOLVE SIMULTANEOUS EQUATIONS IN THE CLASSROOM Kazalaki Marilia, Karamitsas Panagiotis, Paraskeuopoulos Nikitas, Kanellakis Eustratios, Letsas Pantelis, Stamataki Paraskevi I.M.Panagiotopoulos School, Athens, Greece</p> |
| <p>MP58 YOUNG MATHEMATICIANS IN ACTION: INVESTIGATING THE MATHEMATICS OF THE SHORTEST SHOELACE Loukas Nikas, Michail Kallergis, Sakellaridis Theodoros, Alexandros Kanellakis, Emelleia Tsianaka, Theodora Bintza, Skiadas Panagiotis I.M.Panagiotopoulos School, Athens, Greece</p> |
| <p>MP68 LET'S MAKE MATH VISUAL: THE CASE OF FACTORIZING TRINOMIALS Festa Maria, Evangeliou Alexandra, Parnassa Lizetta, Malamateniou Fotoula Ioanna, Giannakos Athanasios, Papapanou Chrysoula Konstantina I.M.Panagiotopoulos School, Athens, Greece</p> |
| <p>MP69 IN THE WORLD OF TWO PARALLEL LINES: SAME AREAS, INFINITE PERIMETERS Alexopoulos Alkinoos, Karatzimos Ioannis, Karpontini Kyriaki, Koutroumpis Alexandros, Sfyraiki Nikoleta Georgia I.M.Panagiotopoulos School, Athens, Greece</p> |
| <p>MP70 TANGLED MATHEMATICS: EXPLORING KNOT THEORY IN THE CLASSROOM Alexopoulos Alkinoos, Dardaganis Marios, Dimitriou Maria Sofia, Kanellopoulos Stylianos, Kokkovas Georgios, Koutroumpis Alexandros I.M.Panagiotopoulos School, Athens, Greece</p> |

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| <p>MP59 THE ROLE OF MATHEMATICS IN DISASTER MANAGEMENT Ismini Gavrielidou, Christina Papageorgiou The English School Nicosia, Cyprus</p> |
| <p>MP60 THE MELODY OF MATHS Maria Nearchou The English School Nicosia, Cyprus</p> |
| <p>MP61 THE FASHION EQUATION Elena Potamiti, Aigli Joshepidou Koufterou The English School Nicosia, Cyprus</p> |
| <p>MP62 MATHS AND DREAMS Kleo Ierodiakonou, Eleni Charalambidi, Anna Markide The English School Nicosia, Cyprus</p> |
| <p>MP63 MATHS AND DANCE Leda Liveri The English School Nicosia, Cyprus</p> |
| <p>MP64 IS MATHEMATICS AN INVENTION OR A DISCOVERY? Egli Michaelidou, Marilita Alkiviadi The English School Nicosia, Cyprus</p> |
| <p>MP65 IS IT ADDICTION OR MATHS? Antrea Iacovou, Stephanie Kremmou, Theodora Hajigeorghy The English School Nicosia, Cyprus</p> |
| <p>MP66 HOW AI IS USED IN MATHS Demetris Iasonos, Constantinos Chrysovalantis Georgiou, Chrysanthos Chrysovalantis Georgiou The English School Nicosia, Cyprus</p> |
| <p>MP67 ELECTIONS: MATH CAN CHANGE WHO WINS Aglaia Patsalides The English School Nicosia, Cyprus</p> |
| <p>MP72 SOLVING ENVIROMENTAL PROBLEMS WITH MATHEMATHICS Vladimir Svetoslavov Grigorov, Stefani Vasileva Dobrinova 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>MP73 MATHEMATICS IN THE HUMAN BODY Georgi Lubomirov Dimitrov, Dimitar Dimitrov Georgiev, Todor Dimitrov Dimitrov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>MP74 THE CHANCES OF VIRAL MUTATIONS Samuil Ivanov Terziyiski 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>MP75 MATHEMATICAL FORECASTING IN THE SIR MODEL Samuil Ivanov Terziyiski, Raya Aleksandrova Aleksieva 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |

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| <p>MP76 THE EFFECT OF THE OPPOSITION BLACK – WHITE Anton Georg Borislavov Vasilev, Selina Alper Aleytin, Tsvetina Tsvetislavova Antova 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>MP77 PARABOLAS FOR RECORDS: THE SCIENCE BEHIND OPTIMAL THROWS Tsvetina Tsvetislavova Antova, Selina Alper Aleytin, Lachezar Orlinov Ivanov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>MP78 CHAOS IS ALL AROUND US Kristiyan Rosenov Naydenov, Hristo Kostadinov Kostadinov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>MP79 PIROUETTES WORTH APPLAUSE Aleksandra Panchova Veneva 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>MP80 REMARKABLE NUMBERS Kaloyan Danielov Geshev, Ivan Valentinov Philipov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>MP81 THE TOWER OF HANOI Valentin Georgiev Gadzhelov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>MP82 WHO AM I Nikola Stanislav Vasilev 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>MP109 ON THE FOUNDATIONS OF MATHEMATICAL THOUGHT: A META-ANALYSIS OF THE PHILOSOPHICAL UNDERPINNINGS OF MATHEMATICAL PRACTICE Martin Kostov, Daniel Kolev, Ivan Stoyanov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>MP83 WHY ARE KNOTS MORE THAN JUST KNOTS? Ekaterina Frolova The Senior School, Nicosia, Cyprus</p> |
| <p>MP89 WEAPONISED MATHEMATICS Stephanos Constantinou, Andreas Ioannides, Elena Ioannidou, Maria Tsangaridou The GC School of Careers, Nicosia, Cyprus</p> |
| <p>MP90 THE MATHEMATICAL THEORY OF CHAOS Evalena Papadopoulou The GC School of Careers, Nicosia, Cyprus</p> |
| <p>MP91 THE BEAUTIFUL GAME Andreas Akkelides, Loucas Epiphaniou, Alexandros Lazarou The GC School of Careers, Nicosia, Cyprus</p> |

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| <p>MP92 SHAKING THE GROUND: EXPLORING THE MATHS OF EARTHQUAKES Andreas Kyriakides, Kyriaki Tzialli, Yige Wen, Junkai Yu The GC School of Careers, Nicosia, Cyprus</p> |
| <p>MP93 PASCAL'S TRIANGLE Achilleas Americanos, Stavros Rallis, Giorgos Tryfonidis, Fotini Tzialli The GC School of Careers, Nicosia, Cyprus</p> |
| <p>MP94 MATHS BEHIND BETS Sophia-Irene Karantoni, Marina Ktori, Irene Vasou The GC School of Careers, Nicosia, Cyprus</p> |
| <p>MP95 FROM VISION TO ILLUSION; MATHEMATICS WORKING BEHIND THE SCENES TO TRICK OUR EYES Daphne Hadjipavlou, Styliani Anna Kyprianou, Andriani Mafka, Efi Mafka The GC School of Careers, Nicosia, Cyprus</p> |
| <p>MP96 MATHS AROUND THE WORLD Despina-Maria Christoforou, Sophia Forster Georgiou, Olga Salidou, Maritini Stylianou, Smaragda Vasiliou The GC School of Careers, Nicosia, Cyprus</p> |
| <p>MP97 HOW TO WIN F1 USING MATHS Constantinos Diomedous, Andreas Koutas, Orestis Stylianides The GC School of Careers, Nicosia, Cyprus</p> |
| <p>MP98 GUESS A NUMBER Nikolas Christodoulou, Iasonas Diakos The GC School of Careers, Nicosia, Cyprus</p> |
| <p>MP100 MEASURE YOUR MATHEMATICAL VISUAL PERCEPTION! HOW MUCH "MATHEMATICS" CAN YOU SEE? Anastasiadi Elefteria-Evangelia Music School of Volos, Volos, Greece</p> |
| <p>MP103 THE PIGEONHOLE PRINCIPLE AND ITS APPLICATIONS IN SOLVING VARIOUS PROBLEMS Nahal Mannani Enghavegard Skole, Denmark</p> |
| <p>MP104 INNOVATIVE SOLUTIONS FOR CHALLENGING FRACTIONAL, EXPONENTIAL, AND RADICAL PROBLEMS Diana Mannani Kildegardskole Vest, Denmark</p> |
| <p>MP105 FINDING REMAINDERS AND LAST DIGITS: APPLYING MODULAR ARITHMETIC TO EXPONENTIAL NUMBERS Shayan Hasani TAHA High School, Zanjan, Iran</p> |
| <p>MP106 SYSTEMATIC APPROACHES FOR SOLVING PATH FINDING AND MAZE CHALLENGES IN INTELLIGENCE TESTING Seyede Elisa Hashemi Roshd Junior High School, Zanjan, Iran</p> |

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| <p>MP107 THE USE AND DESCRIPTION OF π Stelios Giamos, Aleksandr Lomadze, Yue Hang Xu International School of Paphos, Cyprus</p> |
| <p>MP108 MATHS IN FORENSIC SCIENCE Marta Dorontić, Dominik Ivančević, Erika Mikić, Nika Papac, Gita Pavić Gimnazija Požega, Požega, Croatia</p> |
| <p>MP110 WHERE MATH MEETS MONEY: REAL-LIFE APPLICATIONS OF QUADRATIC PROGRAMMING IN INVESTMENTS Klara Šokac, Luka Zulian Prva riječka hrvatska gimnazija u Rijeci, Croatia</p> |
| <p>MP111 APPLICATION OF MATHEMATICS IN ANIMAL SPECIES INTERACTIONS – THE LOTKA-VOLTERRA MODEL Fran Blažić Prva riječka hrvatska gimnazija u Rijeci, Croatia</p> |
| <p>MP112 APPLICATION OF MATHEMATICS IN BAKING - INVESTIGATING THE EFFECT OF BAKING POWDER ON CRESCENT ROLL VOLUME Eni Žeželić Prva riječka hrvatska gimnazija u Rijeci, Croatia</p> |
| <p>MP113 EARNING PIZZA WITH MATH: A CALORIE- BURNING EXPLORATION Dora Franki, Vibor Galjanić Prva riječka hrvatska gimnazija u Rijeci, Croatia</p> |
| <p>MP114 X* APPROACHING ZERO Laura Lipovšek, Ula Košir Srednja šola Domžale, Slovenia</p> |

EUROSCIENCE PRESENTATIONS 2025

| No | Title, presenters |
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| SP1 | <p>LIVING AMONG THE STARS: UNLOCKING THE MYSTERY OF LIFE Loukianna Kyzouride, Marisa Hadjivarnava, Anastasia Papaevelthontos, Charis Lefkariti, Maritina Koukouma, Ioli Venezi American Academy Larnaka, Cyprus</p> |
| SP2 | <p>MAPPING THE PATHWAYS OF MEMORY Katerina DemetriouNikolina Sklavouri American Academy Larnaka, Cyprus</p> |
| SP3 | <p>TIME DILATION Elizaveta Veselik The Island Private School of Limassol, Cyprus</p> |
| SP4 | <p>THE ART OF DYEING WITH NATURAL DYES Nita Veshapidze, Giorgi Malania, Elena Bitsadze Tbilisi International School, Tbilisi, Georgia</p> |
| SP5 | <p>TIME TRAVEL Orestis Themistocleous The English School Nicosia, Cyprus</p> |
| SP6 | <p>HOW CAN AN F1 CAR GO OVER 500 KM/H Aris Moyseos, Paris Sokratous The English School Nicosia, Cyprus</p> |
| SP7 | <p>SYSTEM OF MANAGEMENT AND CONTROL OF THE BEE VENOM HARVESTING PROCESS Andria Kostava, Marta Todua, Lazare Chachua American International School Progress, Tbilisi, Georgia</p> |
| SP8 | <p>THE USE OF MOSSES AND LICHENS AS NATURAL FOOD PRESERVATIVES Tekla Bandzeladze, Ana Mariami Kiparoidze, Nino Skhiladze American International School Progress, Tbilisi, Georgia</p> |
| SP16 | <p>ROBOT GUIDE Marekh Mazanashvili, Saba Bandzeladze, Lile Kacharava, Temur Chitaia American International School Progress, Tbilisi, Georgia</p> |
| SP17 | <p>WAVE ENERGY Nino Sulamanidze, Andria Kostava, Marta Todua, Lazare Chachua American International School Progress, Tbilisi, Georgia</p> |
| SP9 | <p>INFINITE LABYRINTHS Aleksandra Panchova Vaneva, Nikola Stanislav Vasilev 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |

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| <p>SP10 SUSCEPTIBLE, INFECTED, REMOVED (SIR) Raya Aleksandrova Aleksieva, Samuil Ivanov Terziyiski 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>SP11 HERBOLOGY Vasilena Georgieva Chakarova 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>SP12 CANCER PHYSIOLOGY Vasilena Georgieva Chakarova 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>SP13 FROM THE BEEHIVE TO INNOVATIONS AND TECHNOLOGIES Iskren Nikolaev Gyurov, Lachezar Orlinov Ivanov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>SP14 RECONSTRUCTION OF MOSAICS Anton Georg Borislavov Vasilev, Hristo Kostadinov Kostadinov, Iskren NikalaeV Gyurov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>SP15 MAGNUS EFFECT Hristo Kostadinov Kostadinov, Rumen Yulianov Rumenov, Boyan Hristov Valkov 125th Secondary School "Boyan Penev", Sofia, Bulgaria</p> |
| <p>SP18 ILLUSIONS Aleksandra Frolova The Senior School, Nicosia, Cyprus</p> |
| <p>SP19 CAN WE HEAR TO SEE? Ivan Symeonides, Polina Lebedeva, Ioannis Episkopou The Senior School, Nicosia, Cyprus</p> |
| <p>SP20 ALL-NATURAL MOUTHRINSE Anastasia Ioannidou, Nereis Georgia Ioannidou The Senior School, Nicosia, Cyprus</p> |
| <p>SP54 BIOFUEL AND RESTORING BIOMES Christina Lamprianou, Louisa Liapis The Senior School, Nicosia, Cyprus</p> |
| <p>SP55 ONLINE ECO-ABSORB Matheos Gedeon The Senior School, Nicosia, Cyprus</p> |
| <p>SP56 THE SCIENCE BEHIND AN AEROPLANE Iacovos Malekkos, Andreas Chimarides The Senior School, Nicosia, Cyprus</p> |
| <p>SP21 ARTIFICIAL INTELLIGENCE, FOR BETTER OR FOR WORSE? Loizos Theodotou Solea Gymnasium, Nicosia, Cyprus</p> |

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| <p>SP22 CLASSROOM ASSISTANT Evaggeliou Alexandra, Evaggeliou George, Spiridakis George, Ilias Antonis, Malamateniou Fotoula-Ioanna I.M. Panagiotopoulos School, Athens, Greece</p> |
| <p>SP23 BIONIC FISH Dimitrios-Romanos Tsianakas, Christoforos Rentzios, Efstathia-Electra Tsakagianni, Isavella Avramidi, Theodoros Kortselis, Georgios Masouras I.M. Panagiotopoulos School, Athens, Greece</p> |
| <p>SP24 VITA VAPOUR Elena Floridou, Nefeli Kakoyianni The GC School of Careers, Nicosia, Cyprus</p> |
| <p>SP25 TIME'S PRISONER Meifan Han, Chuqiao Jin The GC School of Careers, Nicosia, Cyprus</p> |
| <p>SP26 THE EVOLUTION OF THE HUMAN SPECIES AND HOW THEY ARE PREDICTED TO EVOLVE IN THE FUTURE Sophia Evangelou, Maria Vasiliki Metti, Christina Poursaitidou, Georgia Zachariadou The GC School of Careers, Nicosia, Cyprus</p> |
| <p>SP27 PLANTS TALK - MAYBE IT'S TIME WE LISTEN Evalena Papadopoulou The GC School of Careers, Nicosia, Cyprus</p> |
| <p>SP28 ORBITAL SOLAR ENERGY HARVESTING Alexandros Spanos The GC School of Careers, Nicosia, Cyprus</p> |
| <p>SP29 MELODY IN MIND Marcos Demetriou, Achilleas Kroushovski, Nicolina Nicolaou, Antonia Stylianou The GC School of Careers, Nicosia, Cyprus</p> |
| <p>SP30 KECOHOT Myrto Sarpetsa The GC School of Careers, Nicosia, Cyprus</p> |
| <p>SP31 ISOTRETINOIN: THE ACNE GAME-CHANGER Alexandros Koudounas The GC School of Careers, Nicosia, Cyprus</p> |
| <p>SP32 FROM DROPS TO DESIGNS: CRACKING THE CODE OF WATER SHAPES Iolie Demetriou, Danae Loizou, Jessica Makariou, Francesca Szofia Michaelides The GC School of Careers, Nicosia, Cyprus</p> |
| <p>SP33 CHEMICALS AND TREATMENTS INVOLVED IN SCHIZOPHRENIA Anthea Americanou, Melanie Charalambous The GC School of Careers, Nicosia, Cyprus</p> |

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| <p>SP35 SMART WASTE SEPARATION DEVICE Demetre Artsividze, Saba Tsikaradze Innovative Lab – KinderLab, Telavi, Kakheti, Georgia</p> |
| <p>SP36 ELECTRIC VEHICLES AND THEIR IMPACT ON ECOLOGY Stepan Trofimov, Anastasia Pacheva Med High Private English School, Larnaca, Cyprus</p> |
| <p>SP37 DARK MATTER AND DARK ENERGY Volosian Oleksandra, Kalchynskaya Taisiya Med High Private English School, Larnaca, Cyprus</p> |
| <p>SP38 LIFE CYCLE OF A STAR Kira Garshina, Agapi Theodorou Med High Private English School, Larnaca, Cyprus</p> |
| <p>SP39 ELECTRIC VEHICLES AND THEIR IMPACT ON ECOLOGY Stepan Trofimov, Anastasia Pacheva Med High Private English School, Larnaca, Cyprus</p> |
| <p>SP40 SCIENCE AND HAPPINESS Noam Minujin, Andriana Kkanti, Ori beresy, Viktor Velikov Med High Private English School, Larnaca, Cyprus</p> |
| <p>SP41 THE FIFTH TASTE: UMAMI Anja Horvat, Antea Jelović, Mia Gregurina Grammar School "Fran Galovic", Koprivnica, Croatia</p> |
| <p>SP42 ACNE Una Bebek Grammar School "Fran Galovic", Koprivnica, Croatia</p> |
| <p>SP68 WHY CAN'T YOUR DOG EAT CHOCOLATE? Eva Pavlović, Petra Požgaj Grammar School "Fran Galovic", Koprivnica, Croatia</p> |
| <p>SP43 THE GOD'S PARTICLE Matteo Del Gaudio, Salvatore Guerrera, Domenico Landolfi, Mario Petraccaro Liceo Scientifico "G. Rummo", Benevento, Italy</p> |
| <p>SP44 ALICE IN QUANTUMLAND Martina Cocca, Giulia Coletta, Matteo De Gaudio, Caterina Mucci, Vittoria Panarese Liceo Scientifico "G. Rummo", Benevento, Italy</p> |
| <p>SP45 FROM PHOTON TO QUANTUM:LOOKING FOR THE SECRETS OF LIGHT Castiello Cristina, Ciarlo Asia, D'Orsi Irene, Voli Alessandra Liceo Scientifico "G. Rummo", Benevento, Italy</p> |
| <p>SP46 FROM CHAOS TO HARMONY: THE BUTTERFLY EFFECT Cotugno Martina, Matarazzo Alice, Orlacchio Serena, Panella Michela Liceo Scientifico "G. Rummo", Benevento, Italy</p> |

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| <p>SP47 COSMIC WONDERS: BLACK HOLES AND TIME TRAVEL De Nisi Vincenzo, Lanzotti Davide, Madonna Giuseppe, Mauta Mario Liceo Scientifico "G. Rummo", Benevento, Italy</p> |
| <p>SP48 PHYSICS AND MATHS BEHIND A CAR Domenico Buonanno, Alessio Calandrelli, Andrea Carbone, Lorenzo Meoli, Gabriele Zampelli Liceo Scientifico "G. Rummo", Benevento, Italy</p> |
| <p>SP49 X-RAYS: A TRAVEL TO THE INVISIBLE Danae Alexopoulou, Agiannitis Konstantinos Doukas School, Athens, Greece</p> |
| <p>SP50 RHYTHM IN CHAOS Giorgi Tchiabrishvili, Tevdore Namgaladze, Nia Iluridze, Nino Akhalmosulishvili, Salome Gogilava Saint King Tamar Gymnasium of Patriarchate, Tbilisi, Georgia</p> |
| <p>SP51 THE SCIENCE AND MAGIC OF ORIGAMI ROBOTS Alkinoos Christodoulides*, Ariel Makri Levy**, The Grammar School Nicosia*, AISC Nicosia & Stanford OHS*</p> |
| <p>SP52 TARTRATES AN EMOTION TRAPPED IN A JEWEL Anastasia Bolkvadze, Nene Zubashvili, Sofio Chkheidze Servantes Gymnasium AIA-GESS, Tbilisi, Georgia</p> |
| <p>SP53 UNIQUE GEORGIAN HERBS VS TEENAGERS' EVERYDAY LIFE SCARRED BY ACNE Anano Sheverdashvili, Liliana Pindishvili, Mariam Chubinidze, Mate Mosakhlishvili Servantes Gymnasium AIA-GESS, Tbilisi, Georgia</p> |
| <p>SP57 UNVEILING THE SECRETS OF SKYSCRAPER STABILITY Chunghwan Lee, Chunghun Lee Apgujeong Elementary School, Korea</p> |
| <p>SP58 FINDING THE PERFECT FLIP Dajin Lim, Gyobin Kang, Yejin Han Amanda Moon Education</p> |
| <p>SP59 DOES SUGAR MAKE US HYPER? *Yuha Kwon, **Jane Shin *Seoul Academy, **KIS, Korea</p> |
| <p>SP60 RELATION BETWEEN URBAN HEAT ISLAND AND ALBEDO EFFECT Jihoon Kim, Jiseop Kim Amanda Moon Education</p> |
| <p>SP61 EXPLORING PAST CREATURES THAT LIVED IN KOREA Jaeyoung Cheon Dusil Elementary School Busan</p> |

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| <p>SP62 HARNESSING NOISE-CANCELING TECHNOLOGY: EXPERIMENTS WITH FXLMS AND REAL-WORLD APPLICATIONS Hajoon Lee, Hyeonho Kwon Saint Paul Academy Daechi</p> |
| <p>SP63 MICROPLASTICS, THE BIG PROBLEM Ha Jihoon, Park Junseo, Jo Seongwon Amanda Moon Education</p> |
| <p>SP64 DANGERS OF SMOKING Heather Bellizzi, Antonia Golea, Antrea Kritioti, Mia Sidhu International School of Paphos, Nicosia</p> |
| <p>SP65 DNA Alina Trofimchuk International School of Paphos, Nicosia</p> |
| <p>SP66 THE SOLAR SYSTEM Christos Tofarides International School of Paphos, Nicosia</p> |
| <p>SP67 SCHRÖDINGER'S THEORY: THE PARADOX OF QUANTUM SUPERPOSITION Andreas Demosthenous Pagkyprion Gymnasion, Cyprus</p> |
| <p>SP69 THE SECRETS OF THE ANTIKYTHERA MECHANISM Eleana Voutsadaki, Orestis Georgilidakis, Nino Pefanis, Maximos Tilemachou Europaiko Protypo, Athens, Greece</p> |