

# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

<b>Wednesday, 12 March 2025</b> Grand Hotel Palace, Thessaloniki					
<b>All day</b>	<b>Arrivals</b>				
15:00 – 19:00	<b>REGISTRATION</b> GRACE HALL FOYER  Address of hotel venue: 305 Monastiriou, Thessaloniki, 54628, Greece			<b>Registration for Conference participants and Competition Finalists</b>  MATH&SCIENCE Poster Design Competition - Submission of printed poster designs	
<b>Thursday, 13 March 2025</b> Grand Hotel Palace, Thessaloniki					
08:45+	<b>REGISTRATIONS area (GARDEN HALL FOYER):</b> For Conference participants and competition finalists <b>MATH &amp; SCIENCE Poster COMPETITION</b> Submission of printed poster designs (end of submissions at 17:30 of 13 March 2025)				
Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B EUROMATH-SCIENCE	Celeste (Level 1) STEAME Symposium for Teachers
<b>Coordinators</b>	E. Margariti, A. Savvides	I. Lazarou, D. Florescu	G. Tzachristas, V. Kasapakis	K. Skotinou, K. Evripidou	<a href="#">K. Mattheou</a>
09:30 – 09:45	<b>MP1</b> <b>THE MAGIC OF CHAOS: UNVEILING THE DYNAMICS OF THE LOGISTIC MAP</b> Anthi Eleni-Pinelopi, Diamanti-Polychronopoulou Danai, Nasi Virginia, Tourva Irini The Moraitis School, Athens, Greece	<b>MP5</b> <b>THE MATH BEHIND BLOOD FLOW</b> Marielena Neophytou Kykkou B Lyceum, Nicosia, Cyprus	<b>MP31</b> <b>FUN-MATHEMATICS</b> Paris Zamboglou, Eleni Antoniou, Avgoustina Theodoridou, Alexandros Fasouliotis, Nicou Johnny, Marinos Christodoulou, Marina Panayidou, Marialena Fantousis, Pasik Larry PASCAL Private Secondary School Lemesos, Cyprus	<b>SP1</b> <b>LIVING AMONG THE STARS: UNLOCKING THE MYSTERY OF LIFE</b> Loukianna Kyzouride, Marisa Hadjivarnava, Anastasia Papaevelthontos, Charis Lefkariti, Maritina Koukouma, Ioli Venezi American Academy Larnaka, Cyprus	<b>WS12</b> <b>EMPOWERING STEAME EDUCATION WITH AI TOOLS</b> <a href="#">Kyriacos Matheou</a> <a href="#">Cyprus Mathematical Society, Cyprus</a>
09:45 – 10:00	<b>MP2</b> <b>GOTCHA? PARADOXES AND FALLACIES IN MATH &amp; LOGIC</b> Aashna Khot, Rohin Khot Meritorin Koulu School, Finland	<b>MP7</b> <b>HOW CRYPTOGRAPHY WORKS: CREATING YOUR OWN CIPHERS</b> Dmitrii Stiufliaev Med High Private English School, Larnaca, Cyprus	<b>MP33</b> <b>RITHMOMACHIA, THE BATTLE OF AGREEMENTS OF NUMBERS</b> Theodora Vasilaki, Stelios Kavvadas, Manos Kargiotakis, Elli Kordellou, Rengina Neroutsou Europaiko Protypo, Athens, Greece	<b>SP2</b> <b>MAPPING THE PATHWAYS OF MEMORY</b> Katerina Demetriou, Nikolina Sklavouri American Academy Larnaka, Cyprus	<b>WS12</b> <b>EMPOWERING STEAME EDUCATION WITH AI TOOLS</b>

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10:00 – 10:15	<b>MP4 FROM DECORATING THE ALHAMBRA TO MODERN TILING THEORY</b> Georgountzos Alexandros, Kokkinos Filippos, Lalis Ion The Moraitis School, Athens, Greece	<b>MP10 THE MATHEMATICS OF SENSE(S)</b> Nikolina Markovic, Jana Pantelic, Stefan Jovanovic High School “Sveti Sava”, Serbia	<b>MP32 DO YOU SEE A CUP OR A DONUT? POINCARÉ’S CONJECTURE</b> Kleovoulos Zolotas, Victoria Thomaidi, Theano Kyriakou, Kalliopi Plastourgou Europaiko Protypo, Athens, Greece	<b>SP7 SYSTEM OF MANAGEMENT AND CONTROL OF THE BEE VENOM HARVESTING PROCESS</b> Andria Kostava, Lazare Chachua American International School Progress, Tbilisi, Georgia	<b>WS12 EMPOWERING STEAME EDUCATION WITH AI TOOLS</b>
10:15 – 10:30	<b>MP3 BEES AND REGULAR HEXAGONS</b> Polymeropoulos Dimitris, Kagioglidis Panagiotis, Spyridakis Michalis, Chandakas Stylianos, Saounatsos Alexandros, Peppas Ioannis Erasmios Ellinogermanic School, Athens, Greece	<b>MP8 MATHEMATICS BEHIND CRYSTALS</b> Natasa Michailidou, Kayla Pasha, Dorin Kliger Med High Private English School, Larnaca, Cyprus	<b>MP39 GOLDEN FACADES: THE RATIO BEHIND MODERN BEAUTY</b> Athina Nicole Kolovou, Anastasia Hadjichristou, Elli Kappellou, Michaela Neokleous American Academy Larnaca, Cyprus	<b>SP18 ILLUSIONS</b> Aleksandra Frolova The Senior School, Nicosia, Cyprus	<b>WS13 STEAME EVALUATION METHODS with emphasis in PBL</b> Andreas Skotinos European Association of Career Guidance, Cyprus
10:30 - 10:45	<b>MP100 MEASURE YOUR MATHEMATICAL VISUAL PERCEPTION! HOW MUCH “MATHEMATICS” CAN YOU SEE?</b> Anastasiadi Eleftheria-Evangelia Music School of Volos, Greece	<b>MP11 MATHEMATICS AND FOOTBALL</b> Ioannis Alkiviades, Nikolas Hadjichristou, Afxentis Ioannou, Andreas Konstantinou, Adamos Kosma, Stylianos Michael, Theodoros Protopapas, Panagiotis Vasiliou Xenion High School, Cyprus	<b>MP40 THE GOLDEN RATIO: AESTHETICS OF PERFECTION</b> Liangxuan Yu, Mengci Xie American Academy Larnaca, Cyprus	<b>SP8 THE USE OF MOSSES AND LICHENS AS NATURAL FOOD PRESERVATIVES</b> Tekla Bandzeladze, Ana Mariami Kiparoidze, Nino Skhiladze American International School Progress, Tbilisi, Georgia	<b>WS13 STEAME EVALUATION METHODS with emphasis in PBL</b>

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10:45 – 11:00	<b>MP13 EQUILATERAL AND EQUIANGULAR SHAPES</b> Giatrakos Nikolaos, Gavathas Konstantinos, Valasopoulos Panagiotis, Giobliakis Dimitrios, Dimopoulos Giorgos Erasmios Ellinogermanic School, Athens, Greece	<b>MP9 PROBABILITIES AND COMBINATORIES</b> Antiukov Myron Med High Private English School, Larnaca, Cyprus	<b>MP41 WHEN NUMBERS MEET THE RING</b> Tristan Alexandrou, Michael Calligeris, Stefanos Kypri, Panagiotis Angonas, Sotos Afxentiou, Yu Hon Harry Hu American Academy Larnaca, Cyprus	<b>SP19 CAN WE HEAR TO SEE?</b> Ivan Symeonides, Polina Lebedeva, Ioannis Episkopou The Senior School, Nicosia, Cyprus	<b>WS5 HOW IMPORTANT IS A QUESTION IN YOUR LESSON?</b> Claire Polycarpou International School of Paphos, Cyprus
11:00– 11:15	<b>MP15 GOLDEN RATIO AND FIBONACCI SEQUENCE</b> Antonis Kyritsis, Giannis Kalloutsis, Theodoros Koutras, Konstantinos Moschonas, Aggelos Fanourgakis, Achilleas Tsergas, Erasmios Ellinogermanic School, Athens, Greece	<b>MP12 FRACTALS</b> Maria Messiou, Marios Economou Xenion High School, Cyprus	<b>MP34 THE RIDDLE OF THAMBRINIS: WHAT TYPE OF FISH DOES THE GERMAN POSSESS?</b> Thanasis Zarkaliou, Lambros Krithinas, Giannis Siganakis Europaiko Protypo, Athens, Greece	<b>SP16 ROBOT GUIDE</b> Luka Naborashvili, Saba Bandzeladze, Lile Kacharava, Temur Chitaia American International School Progress, Tbilisi, Georgia	<b>WS5 HOW IMPORTANT IS A QUESTION IN YOUR LESSON?</b>
11:15 – 11:30	<b>MP102 SPLITTING THE RENT, A FAIR DIVISION PROBLEM</b> Vassilis Kekis, Dimitris Zafeiropoulos, Nikolas Gerasopoulos, Apostolos Zachos, The Moraitis School, Athens, Greece	<b>MP14 THE ART OF CHAOS (THE BUTTERFLY EFFECT)</b> Konstantinos Kouimitzis Doukas School, Athens, Greece	<b>MP35 GEODESIC LINES ON THE SURFACE</b> Sofiia Andrusenko Pisochyn Lyceum, Kharkiv, Ukraine	<b>SP20 ALL-NATURAL MOUTHRINSE</b> Anastasia Ioannidou, Nereis Georgia Ioannidou The Senior School, Nicosia, Cyprus	<b>WS5 HOW IMPORTANT IS A QUESTION IN YOUR LESSON?</b>
11:30 – 11:45	<b>WALK TO THE OPENING CEREMONY</b>				

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Place	GRACE HALL B&C
Master of Ceremony	T. Economou, E. Margariti
11:50 – 13:00	<p style="text-align: center;"><b><u>Opening Ceremony</u></b> <b>EUROMATH and EUROSCIENCE Conference 2025</b> <b>&amp;</b> <b>European STEAME-ACADEMY Symposium 2025</b></p> <p style="text-align: center;"><b><u>Music Concert (10 minutes)</u></b> 1. Siyahamba, 2. Believer, 3. On top of the rosebush Music Directors: Maria Petroulia &amp; Antonis Vasileiadis (Music School of Volos, Greece)</p> <p style="text-align: center;"><b><u>Welcoming Address (10 min)</u></b> Professor Gregoris Makrides President, Cyprus Mathematical Society and THALES Foundation</p> <p style="text-align: center;"><b><u>Invited Plenary (30 min)</u></b> What is intelligence? Tomasz Szemberg, Professor of Mathematics at the University of the National Education Commission in Krakow, Poland</p>
13:00 – 14:30	<p><b>Lunch Break, Place: Grand Hotel Palace BALL ROOMS (LEVEL -2)</b> <b>(two time slots groups A and B, check your coupon so you go to the correct time slot)</b> <b>GROUP A: 13:00 – 13:45</b> <b>GROUP B: 13:45 – 14:30</b> <b>Additional coupons available for sale at the registration desk</b></p>

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<b>Coordinators</b>	K. Mattheou, D. Florescu	J. Szpond, A. Skotinos	T. Economou, A. Savvides	V. Kasapakis, K. Skotinou	I. Lazarou, E. Evripidou
14:30 – 14:45	<b>MP6</b> <b>THE SOUND OF MATHEMATICS</b> Maria Andra, Kristina – Eleni Douloudi Mandoulides Schools, Thessaloniki, Greece	<b>MP19</b> <b>LAPLACE’S DEMON: DETERMINISM AND RANDOMNESS</b> Katomeris Georgios, Gourlis Achileas Doukas School, Athens, Greece	<b>MP36</b> <b>CAN MUSIC BE ANALYZED MATHEMATICALLY?</b> Ivan Ananev, Evgeniy Kolkovskiy, Lizaveta Kurylava, Kseniia Shchepetova, Mikhail Zubkov The Island Private School of Limassol, Cyprus	<b>SP17</b> <b>WAVE ENERGY</b> Nino Sulamanidze, Andria Kostava, Makine Todua, Lazare Chachua American International School Progress, Tbilisi, Georgia	<b>WS11</b> <b>TEAM BUILDING FOR PROJECT BASED LEARNING IN STEAME EDUCATION</b> Ioannis Lazarou Cyprus Mathematical Society, Cyprus
14:45 – 15:00	<b>MP101</b> <b>ZENO’S PARADOXES</b> Dinos Papathanasiou The Moraitis School, Athens, Greece	<b>MP43</b> <b>TRIANGLE DRAMA: THE TRUE INVENTORS OF THE PYTHAGOREAN THEOREM</b> Xihan Xie, Melina Lellepi, Michael Duan, Kavish Gangrade Foley's School, Limassol, Cyprus	<b>MP46</b> <b>DO ANY ODD PERFECT NUMBERS EXIST? THE OLDEST UNSOLVED PROBLEM IN MATHS</b> Ismini Herodotou The Grammar School, Nicosia, Cyprus	<b>SP54</b> <b>BIOFUEL AND RESTORING BIOMES</b> Christina Lamprianou, Louisa Liapis The Senior School, Nicosia, Cyprus	<b>WS11</b> <b>TEAM BUILDING FOR PROJECT BASED LEARNING IN STEAME EDUCATION</b>
15:00 – 15:15	<b>MP16</b> <b>ESCAPE ROOMS IN TEACHING MATHEMATICS: A LITERATURE REVIEW</b> Ariana Sarafi, Yianna Stefanou Mandoulides Schools, Thessaloniki, Greece	<b>MP20</b> <b>PINEAPPLE SHAPE</b> Proios Dimitrios, Tsintzos Georgios, Hongchen Zhu Doukas School, Athens, Greece	<b>MP116</b> <b>EATING PIZZA TO LEARN FRACTIONS: USING REAL-LIFE EXAMPLES TO SIMPLIFY FRACTION CONCEPTS</b> Ilias Giannakakos, Athanasios Vaitoudis, Elvira Gavriil, Pantelis Letsas, Loukas Nikas, Marilia Kazalaki, Theodora Bintza I.M.Panagiotopoulos School, Athens, Greece	<b>SP9</b> <b>INFINITE LABYRINTHS</b> Aleksandra Panchova Vaneva, Nikola Stanislav Vasilev 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>WS11</b> <b>TEAM BUILDING FOR PROJECT BASED LEARNING IN STEAME EDUCATION</b>

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15:15 – 15:30		<b>MP44</b> <b>MANURE VS FIREWOOD:                      CALCULATING THE SPECIFIC                      HEAT OF AN ALTERNATIVE                      FUEL (MANURE)</b> Mariam Sigua, Nitsa Bortsvadze, Barbare Jakhashvili, Nikoleishvili Asmati Tbilisi International School, Georgia	<b>MP47</b> <b>RECOIL AND BALISTICS THE                      MATHEMATICAL PRECISION                      BEHIND GUNS</b> Antreas Michailidis, Nikolas Felekkis The Grammar School, Nicosia, Cyprus	<b>SP55</b> <b>ONLINE ECO-ABSORB</b> Matheos Gedeon The Senior School, Nicosia, Cyprus	<b>WS6</b> <b>ARSTEAMAPP: ENRICHING                      OUR SUSTAINABLE FUTURE</b> Elena Matroana Hreciuc, Mihalache Iuliana Mihaela Secondary School Ion Creanga Suceava, Romania
15:30 – 15:45	<b>MATHFACTOR                      AGES 9-13</b> <b>Coord. K. Mattheou</b> <b>Jury:</b> <b>T. Szemberg</b> <b>A. Skotinos</b> <b>D. Florescu</b>		<b>MP53</b> <b>LOCI</b> Konstantinos Kallergis, Vaggelis Lamprinakos, Giannis Patelis, Fotis Stamatopoulos, Pantelis Stefanou I.M.Panagiotopoulos School, Junior High School, Athens, Greece	<b>SP56</b> <b>THE SCIENCE BEHIND AN                      AEROPLANE</b> Iacovos Malekkos, Andreas Chimarides The Senior School, Nicosia, Cyprus	<b>WS6</b> <b>ARSTEAMAPP: ENRICHING                      OUR SUSTAINABLE FUTURE</b>
15:45 – 16:00	<b>MATHFACTOR                      AGES 9-13</b>	<b>MP115</b> <b>HOW THE GOLDEN RATIO                      PHI(<math>\Phi</math>) AND THE GOLDEN                      PARALLELOGRAM HELPED                      BUILD THE PARTHENON</b> Skliras Christos, Antonopoulos Alexandros, Kollias Alexandros Doukas School, Athens, Greece	<b>MP48</b> <b>CONNECTING THE DOTS: THE                      MATHS OF SOCIAL NETWORKS</b> Michelle Papadopoulou, Georgina Anastasiadou The Grammar School, Nicosia, Cyprus	<b>SP21</b> <b>ARTIFICIAL INTELLIGENCE, FOR                      BETTER OR FOR WORSE?</b> Loizos Theodotou Solea Gymnasium, Nicosia, Cyprus	<b>WS6</b> <b>ARSTEAMAPP: ENRICHING                      OUR SUSTAINABLE FUTURE</b>

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16:00 – 16:15	<b>MATHFACTOR AGES 9-13</b>	<b>MP49 APPLICATIONS OF PARABOLIC CONIC SECTION</b> Anastasia Kikvadze, Bachana Ardoteli, Andria Kartoza, Anastasia Nikoladze, Barbare Tabidze Tbilisi International School, Georgia	<b>MP54 MATHEMATICAL GAMES IN ACTION: STUDENTS PERSPECTIVES AND EDUCATIONAL APPLICATIONS</b> Michalakea Maria, Alexopoulou Alkmini, Zourari Martha, Michalakea Aggelina, Sofia Nika, Baritaki Konstantina, Stathis Christides, Panagiotis Skiadas, Basanou Panagiota I.M.Panagiotopoulos School, Athens, Greece	<b>SP11 HERBOLOGY</b> Vasilena Georgieva Chakarova 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>WS6 ARSTEAMAPP: ENRICHING OUR SUSTAINABLE FUTURE</b>
16:15 – 16:30	<b>MATHFACTOR AGES 9-13</b>	<b>MP22 THE SHAPE OF A SNOWFLAKE</b> Delieza Adamantia, Xiaohe Wang Doukas School, Athens, Greece	<b>MP50 HARMONIC EQUATIONS: THE MATH BEHIND VOCAL SOUNDS</b> Andria Agathocleous, Marina Petsa The Grammar School, Nicosia, Cyprus	<b>SP10 SUSCEPTIBLE, INFECTED, REMOVED (SIR)</b> Raya Aleksandrova Aleksieva, Samuil Ivanov Terziyiski 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>WS6 ARSTEAMAPP: ENRICHING OUR SUSTAINABLE FUTURE</b>
16:30 – 16:45	<b>MATHFACTOR AGES 9-13</b>	<b>MP25 HOW THALES MEASURED THE HEIGHT OF THE GREAT PYRAMID OF GIZA</b> Margaritis Philippos, Antoniadis Theodore Doukas School, Athens, Greece	<b>MP55 PYTHAGOREAN TRIADS</b> Melina Athanasopoulou, Giannis Bogiatzis, Michalis Ligkas Kaplanis, Christina Logotheti, Chara Maria Pantazopoulou, Kalliroi Politou I.M.Panagiotopoulos School, Junior High School, Athens, Greece	<b>SP12 CANCER PHYSIOLOGY</b> Vasilena Georgieva Chakarova 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>SY1 STEAM BASED LEARNING LESSON (The Detective of the Bell)</b> Kyriaki Evripidou Physics Teacher, Pancyprian Gymnasium, Cyprus

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16:45 – 17:00	<b>MATHFACTOR AGES 9-13</b>	<b>MP30 THE HIDDEN PATTERNS IN PRIME NUMBERS</b> Georgios Pateras, Christophoros Chiras Doukas School, Athens, Greece	<b>MP37 MATHEMATICS IN A.I.</b> Tymur Marchenko The Island Private School of Limassol, Cyprus	<b>SP22 CLASSROOM ASSISTANT</b> Evaggeliou Alexandra, Evaggeliou George, Spiridakis George, Ilias Antonis, Malamateniou Fotoula- Ioanna I.M. Panagiotopoulos School, Athens, Greece	
17:00 – 17:15	<b>MATHFACTOR AGES 9-13</b>	<b>MP27 HEALING NUMBERS</b> Luigi Mancini, Christian Ianaro, Simone Ianaro Liceo Scientifico “G. Rummo”, Benevento, Italy	<b>MP51 KNOT THEORY</b> Stefanos Afxentiou The Grammar School, Nicosia, Cyprus	<b>SP23 BIONIC FISH</b> Dimitrios-Romanos Tsianakas, Christoforos Rentzios, Efstathia- Electra Tsakagianni, Isavella Avramidi, Theodoros Kortselis, Georgios Masouras I.M. Panagiotopoulos School, Athens, Greece	<b>SY3 EXPLORING INSTITUTIONAL VIEW ON THE UNDER- REPRESENTATION OF GIRLS AND WOMEN IN STE(A)M: FINDINGS FROM THE 2024 STREAM IT STUDY</b> Katalin Oborni, HETFA Research Institute, Hungary
17:15 – 17:30	<b>MATHFACTOR AGES 9-13</b>	<b>MP28 NOTHING IS AS IT SEEMS</b> Auciello Angela, Caliendo Samuele, Iacovella Gaya, Tavini Andrea Celeste Liceo Scientifico “G. Rummo”, Benevento, Italy	<b>MP57 CONFUSION IS PART OF THE PROCESS: HOW TO SOLVE SIMULTANEOUS EQUATIONS IN THE CLASSROOM</b> Kazalaki Marilia, Karamitsas Panagiotis, Paraskeuopoulos Nikitas, Kanellakis Eustratios, Letsas Pantelis, Stamataki Paraskevi I.M.Panagiotopoulos School, Athens, Greece	<b>SP13 FROM THE BEEHIVE TO INNOVATIONS AND TECHNOLOGIES</b> Iskren Nikolaev Gyurov, Lachezar Orlinov Ivanov 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>SY4 THE ROLE OF MICROELECTRONICS IN STEAM EDUCATION</b> Bernd Deutschmann Head of Institute of Electronics, Graz University of Technology, Austria



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17:30 – 17:45	<b>MATHFACTOR AGES 9-13</b>	<b>MP84 THE AERODYNAMICS OF FORMULA 1</b> Domenico Landolfi Liceo Scientifico "G. Rummo, Benevento, Italy	<b>MP52 GAME... SET...MATH</b> Nikolas Toumbas The Grammar School, Nicosia, Cyprus	<b>SP14 RECONSTRUCTION OF MOSAICS</b> Anton Georg Borislavov Vasilev, Hristo Kostadinov Kostadinov, Iskren Nikalaev Gyurov 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>SY5</b> <b>EuropeAn NETWORK OF STEAM EDUCATORS: ADVANCING STEAM EDUCATION ACROSS EUROPE</b> Dr. Iro Koliakou Head of STEM Anatolia College   Anna Papageorgiou STEM Center EASE- EuropeAn network of STEAM Educators
17:45 – 18:00	<b>MATHFACTOR AGES 9-13</b>	<b>MP26 THE FUTURE IN NOW: TESLA ROBOTS</b> Bruno Boscaino, Chiara De Nigris, Antonio Fusco Liceo Scientifico "G. Rummo", Benevento, Italy	<b>MP58 YOUNG MATHEMATICIANS IN ACTION: INVESTIGATING THE MATHEMATICS OF THE SHORTEST SHOELACE</b> Loukas Nikas, Michail Kallergis, Sakellaridis Theodoros, Alexandros Kanellakis, Emelleia Tsianaka, Theodora Bintza, Skiadas Panagiotis I.M.Panagiotopoulos School, Athens, Greece	<b>SP15 MAGNUS EFFECT</b> Hristo Kostadinov Kostadinov, Rumen Yulianov Rumenov, Boyan Hristov Valkov 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>SY7</b> <b>BLOOMING THE FUTURE: EMPOWERING GENDER EQUALITY IN STEAM EDUCATION</b> Dr. Iro Koliakou Head of STEM Anatolia College   Anna Papageorgiou STEM Center EASE- EuropeAn network of STEAM Educators
18:00 – 18:15	<b>MATHFACTOR AGES 9-13</b>	<b>MP85 MATHS WEARS PRADA</b> Vittoria Panarese Liceo Scientifico "G. Rummo, Benevento, Italy	<b>MP68 LET'S MAKE MATH VISUAL: THE CASE OF FACTORIZING TRINOMIALS</b> Festa Maria, Evangeliou Alexandra, Parnassa Lizetta, Malamateniou Fotoula Ioanna, Giannakos Athanasios, Papapanou Chrysoula Konstantina I.M.Panagiotopoulos School, Athens, Greece	<b>SP24 VITA VAPOUR</b> Elena Floridou, Nefeli Kakoyianni The GC School of Careers, Nicosia, Cyprus	<b>WS22 for teachers only</b> <b>TRANSFORM YOUR CLASSROOM: LEVERAGING VR FOR ENGAGED LEARNING</b> Dr. Vlasios Kasapakis Assistant Professor, Department of Cultural Technology and Communication, University of the Aegean, Greece

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Grand Hotel Palace, Thessaloniki

Place	Grace Hall B&C EUROMATH- SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B EUROMATH-SCIENCE	Celeste (Level 1) STEAME Symposium for Teachers
<b>Coordinators</b>	K. Mattheou, E. Margariti	J. Szpond, I. Lazarou	T. Economou, A. Savvides	E. Papageorgiou, K. Skotinou	K. Evripidou, V. Kasapakis
18:15 – 18:30	<b>MATHFACTOR AGES 9-13</b>	<b>MP23 THE MATHEMATICS THAT GOVERNS LIFE: BEHIND THE HEARTBEAT</b> Mario Petraccaro Liceo Scientifico “G. Rummo”, Benevento, Italy	<b>MP118 SLIDING ON SAND: ANOTHER SECRET OF PYRAMIDS CONSTRUCTION</b> Nana Trapaidze, Nikoloz Chkareuli, Daviti Bitsadze, Lekso Pitskhelauri, Paata Liklikadze Tbilisi International School, Georgia	<b>SP25 TIME’S PRISONER</b> Meifan Han, Chuqiao Jin The GC School of Careers, Nicosia, Cyprus	<b>WS22 TRANSFORM YOUR CLASSROOM: LEVERAGING VR FOR ENGAGED LEARNING</b>
18:30 – 18:45	<b>MATHFACTOR AGES 9-13</b>	<b>MP24 THE HIDDEN CODES OF THE COLD WAR</b> Gentilcore Fabio, Manocchio Giuseppe, Pica Angela, Vernacchio Erika Liceo Scientifico “G. Rummo”, Benevento, Italy			<b>WS22 TRANSFORM YOUR CLASSROOM: LEVERAGING VR FOR ENGAGED LEARNING</b>
18:45 – 19:00	<b>MATHFACTOR AGES 9-13</b>				<b>WS22 TRANSFORM YOUR CLASSROOM: LEVERAGING VR FOR ENGAGED LEARNING</b>

**Thursday, 13 March 2025**

Grand Hotel Palace, Thessaloniki

Room: Grace Hall B&C



## MATHFactor Europe 2025 Competitions – Finals

### Finalists

#### MATH FACTOR Ages 9-13

**(13.3.2025 15:30 – 19:00 ROOM GRACE HALL B&C)**

**MFL1.** “Maths in football”, Vito Turk, Osnovna skola "Braca Radic" Koprivnica, Croatia  
**MFL2.** “The beauty of mathematics behind dance”, Leona Borstnar, Osnovna skola "Braca Radic" Koprivnica, Croatia  
**MFL3.** “Maths Can Design the Perfect Can!”, Panagiotis Skiadas, I.M.Panagiotopoulos School, Greece  
**MFL4.** “Why Can’t We Divide by Zero? A Mathematical Mystery!”, Aggeliki Michalakea, I.M.Panagiotopoulos School, Greece  
**MFL5.** “Pythagoras is stuck in traffic!”, Evangelos Tsaousoglou, Geri Gymnasium, Cyprus  
**MFL6.** “Egyptian mathematics”, Tonka Sisl, Osnovna skola "Braca Radic" Koprivnica, Croatia  
**MFL7.** “Connection between football and Mathematics”, Pavao Miki, Jeličić Osnovna skola "Braca Radic" Koprivnica, Croatia  
**MFL8.** “How I Became an Artist Like Escher... with Geometrical Transformations!”, Zourari Martha, I.M.Panagiotopoulos School, Greece  
**MFL9.** “Mathematical Invariants: The Secret Behind Magic Tricks”, Giannakakos Ilias, I.M.Panagiotopoulos School, Greece  
**MFL10.** “Pi: The real name of circumference 3.14”, Eunseo Kang, Taejang Elementary School Suwon, Korea, Republic of

**MFL11.** “Sets”, Nika Tuckovic, Osnovna skola "Braca Radic" Koprivnica, Croatia  
**MFL12.** “Perfect Numbers”, Lara Grudic, Osnovna skola "Braca Radic" Koprivnica, Croatia  
**MFL13.** “The Method of Induction: To Infinity and beyond!”, Alkinoos Alexopoulos, I.M. Panagiotopoulos School, Greece  
**MFL14.** “Making the Impossible Possible: The Magic of Math and Dimensions”, Alexandros Koutroumpis, I. M. Panagiotopoulos, Greece  
**MFL15.** “Phi: The Golden Key to Beauty and Harmony”, Paisios Papisavvas, Pancyprrian Gymnasium, Cyprus  
**MFL16.** “The Future of Travel”, Marija Ostrkapa, Osnovna skola "Antun Nemcic Gostovinski" Koprivnica, Croatia  
**MFL17.** “Math in tennis”, Fran Bodalec, Osnovna skola "Braca Radic" Koprivnica, Croatia  
**MFL18.** “Principle Pareto in Everyday Life”, Loukas Nikas, I.M.Panagiotopoulos School, Greece  
**MFL19.** “Coloring the World with Just Four Colors!”, Eustratios Kanellakis, I.M.Panagiotopoulos School, Greece  
**MFL20.** “How Statistics Help Entrepreneurs Make Smart Decisions”, Marilia Kazalaki, I.M.Panagiotopoulos School, Greece

**Thursday, 13 March 2025**

Grand Hotel Palace, Thessaloniki

Room: Grace Hall B&C



## MATHFactor Europe 2025 Competitions – Finals

### Finalists

**MATH FACTOR Ages 9-13**  
**(13.3.2025 15:30 – 19:00 ROOM GRACE HALL B&C)**

- MFL21.** “How to Split Two Rectangles in Half with One Cut!”, Alexandros Kanellakis, I.M.Panagiotopoulos School Greece
- MFL22.** “Probability In Real Life”, Alexandr Lomadze, International School of Paphos, Cyprus
- MFL23.** “Pythagorean theorem”, Karlo Markovinovic, Osnovna skola "Braca Radic" Koprivnica, Croatia
- MFL24.** “Route Koprivnica-Thessaloniki in football numbers”, Patrik Puric, Osnovna skola "Braca Radic" Koprivnica, Croatia
- MFL25.** “What If We Had Eight Fingers?”, Theodora Mpintza, I.M.Panagiotopoulos School Greece
- MFL26.** “Borromean Rings – The Math Power of Unity!”, Panagiota Basanou, I.M.Panagiotopoulos School, Greece
- MFL27.** “Is There Something Greater Than Infinity?”, Maria Michalakea, I.M.Panagiotopoulos School, Greece
- MFL28.** “The Math is even in Love”, Fabiano Dubravec, Osnovna skola "Koprivnicki Ivanec", Croatia
- MFL29.** “The Abacus”, Ella Schuster, Osnovna skola "Braca Radic" Koprivnica, Croatia
- MFL30.** “Cooking with Maths: The Secret Recipe of Precision”, Sofia Nika, I.M.Panagiotopoulos School, Greece

- MFL31.** “ $\phi$  Everywhere!”, Athanasios Vaitoudis, I.M.Panagiotopoulos School, Greece
- MFL32.** “Pythia knew the Associative Property”, Eleni-Veroniki Gavriil, I.M.Panagiotopoulos School, Greece
- MFL33.** “The number zero”, Neo Petrovic, Osnovna skola "Braca Radic" Koprivnica, Croatia
- MFL34.** “Palindromes”, Hana Latin, Osnovna skola "Braca Radic" Koprivnica, Croatia
- MFL35.** “A "Sweet" Paradox”, Alkmini Alexopoulou, I.M.Panagiotopoulos School, Greece
- MFL36.** “Alliens and Maths: The Equation that connects us with the Unknown”, Michael Kallergis, I.M.Panagiotopoulos Primary School, Greece
- MFL37.** “The Magic of 37: A Fascinating Math Trick with Three-Digit Numbers”, Evangelos Pappas, Pinewood American International School of Thessaloniki, Greece
- MFL38.** “Mathematics Behind the Rubric’s Cube”, Konstantinos Tzermadianos, Doukas School, Greece

# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Friday, 14 March 2025**

**Grand Hotel Palace, Thessaloniki**

**REGISTRATIONS area (GARDEN HALL FOYER):** For Conference participants and competition finalists

Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B EUROMATH-SCIENCE	Celeste (Level 1) STEAME Symposium for Teachers
<b>Coordinators</b>	I. Lazarou, D. Florescu	T. Economou, S. Stefanidou	E. Margariti, G. Tzachristas	K. Mattheou, A. Karatzetzou	E. Papageorgiou
09:30 – 09:45	<b>MATH-SCIENCE THEATRE ALL AGES</b> Coord. I. Lazarou & D. Florescu <b>JURY:</b> A. Skotinos T. Szemberg J. Szpond	<b>MP17 MATHEMATICS IN ARCHITECTURE: THE ART OF PRECISION AND INNOVATION</b> Anastasia Bata, Annetta Gkolna, Konstantinos Chatzigeorgiou Mandoulides Schools, Thessaloniki, Greece	<b>MP69 IN THE WORLD OF TWO PARALLEL LINES: SAME AREAS, INFINITE PERIMETERS</b> Alexopoulos Alkinoos, Karatzimos Ioannis, Karpontini Kyriaki, Koutroumpis Alexandros, Sfyraiki Nikoleta Georgia I.M.Panagiotopoulos School, Athens, Greece	<b>SP26 THE EVOLUTION OF THE HUMAN SPECIES AND HOW THEY ARE PREDICTED TO EVOLVE IN THE FUTURE</b> Sophia Evangelou, Maria Vasiliki Metti, Christina Poursaitidou, Georgia Zachariadou The GC School of Careers, Nicosia, Cyprus	<b>WS14 PROJECT-BASED LEARNING: AUTHENTIC LEARNING ADVENTURES</b> Eleni Papageorgiou Cyprus Pedagogical Institute, Cyprus
09:45 – 10:00	<b>MATH-SCIENCE THEATRE ALL AGES</b>	<b>MP42 CASINO AND MATHEMATICS</b> Filoxenidis Stavros-Loukas Doukas School, Athens, Greece	<b>MP59 THE ROLE OF MATHEMATICS IN DISASTER MANAGEMENT</b> Ismini Gavrielidou, Christina Papageorgiou The English School Nicosia, Cyprus	<b>SP36 ELECTRIC VEHICLES AND THEIR IMPACT ON ECOLOGY</b> Stepan Trofimov, Anastasia Pacheva Med High Private English School, Larnaca, Cyprus	<b>WS14 PROJECT-BASED LEARNING: AUTHENTIC LEARNING ADVENTURES</b>
10:00 – 10:15	<b>MATH-SCIENCE THEATRE ALL AGES</b>	<b>MP18 FRIENDSHIPS THROUGH STATISTICS</b> Rallis Maroulas, Anthi Sklavou, Charis Chalkiotis Mandoulides Schools, Thessaloniki, Greece	<b>MP70 TANGLED MATHEMATICS: EXPLORING KNOT THEORY IN THE CLASSROOM</b> Alexopoulos Alkinoos, Dardaganis Marios, Dimitriou Maria Sofia, Kanellopoulos Stylianos, Kokkovas Georgios, Koutroumpis Alexandros I.M.Panagiotopoulos School, Athens, Greece	<b>SP27 PLANTS TALK - MAYBE IT'S TIME WE LISTEN</b> Evalena Papadopoulou The GC School of Careers, Nicosia, Cyprus	<b>WS14 PROJECT-BASED LEARNING: AUTHENTIC LEARNING ADVENTURES</b>

# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

Friday, 14 March 2025					
Grand Hotel Palace, Thessaloniki					
Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B EUROMATH-SCIENCE	Celeste (Level 1) STEAME Symposium for Teachers
<b>Coordinators</b>	I. Lazarou, D. Florescu	T. Economou, S. Stefanidou	E. Margariti, G. Tzachristas	K. Mattheou, A. Karatzetzou	<a href="#">E. Papageorgiou</a>
10:15 – 10:30	<b>MATH-SCIENCE THEATRE ALL AGES</b>	<b>MP87 DICE WITH MATHS</b> Myronas Andreakos, Cai Weizhe Doukas School, Athens, Greece	<b>MP60 THE MELODY OF MATHS</b> Maria Nearchou The English School Nicosia, Cyprus	<b>SP37 DARK MATTER AND DARK ENERGY</b> Volosian Oleksandra, Kalchynskaya Taisiya Med High Private English School, Larnaca, Cyprus	<b>WS18 GENDER PERSPECTIVES AND TOOLS IN STEM EDUCATION: INSIGHTS AND PRACTICES FROM THE STREAM IT PROJECT</b> Katalin Oborni HETFA Research Institute, Hungary
10:30 – 10:45	<b>MATH-SCIENCE THEATRE ALL AGES</b>	<b>MP56 MATHEMATICS AND TENNIS</b> Alkinoos Christoforidis, Andreas Nedeltsidis Mandoulides Schools, Thessaloniki, Greece	<b>MP107 THE USE AND DESCRIPTION OF <math>\pi</math></b> Stelios Giamos, Aleksandr Lomadze, Yue Hang Xu International School of Paphos, Cyprus	<b>SP28 ORBITAL SOLAR ENERGY HARVESTING</b> Alexandros Spanos The GC School of Careers, Nicosia, Cyprus	<b>WS18 GENDER PERSPECTIVES AND TOOLS IN STEM EDUCATION: INSIGHTS AND PRACTICES FROM THE STREAM IT PROJECT</b>
10:45 – 11:00	<b>MATH-SCIENCE THEATRE ALL AGES</b>	<b>MP71 THE “BEAUTIFUL GAME”: A DATA-DRIVEN APPROACH TO FÚTBOL ANALYTICS</b> Sotiris Kouvelas Mandoulides Schools, Thessaloniki, Greece	<b>MP108 MATHS IN FORENSIC SCIENCE</b> Marta Dorontić, Dominik Ivančević, Erika Mikić, Nika Papac, Gita Pavić Gimnazija Požega, Požega, Croatia	<b>SP38 LIFE CYCLE OF A STAR</b> Kira Garshina, Agapi Theodorou Med High Private English School, Larnaca, Cyprus	<b>WS18 GENDER PERSPECTIVES AND TOOLS IN STEM EDUCATION: INSIGHTS AND PRACTICES FROM THE STREAM IT PROJECT</b>

## EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Friday, 14 March 2025**

**Grand Hotel Palace, Thessaloniki**

Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B EUROMATH-SCIENCE	Celeste (Level 1) STEAME Symposium for Teachers
<b>Coordinators</b>	I. Lazarou, D. Florescu	T. Economou, S. Stefanidou	E. Margariti, G. Tzachristas	K. Mattheou, A. Karatzetzou	E. Papageorgiou
11:00 – 11:15	<b>MATH-SCIENCE THEATRE ALL AGES</b>		<b>MP61 THE FASHION EQUATION</b> Elena Potamiti, Aigli Joshepidou Koufterou The English School Nicosia, Cyprus	<b>SP29 MELODY IN MIND</b> Marcos Demetriou, Achilleas Kroushovski, Nicolina Nicolaou, Antonia Stylianou The GC School of Careers, Nicosia, Cyprus	<b>WS17 THE INS AND OUTS OF EMBRACING NATURE-BASED SOLUTIONS IN SUSTAINABILITY EDUCATION AS SEEN THROUGH THE LENS OF NBS EduWORLD AND SCIENTIX®</b> Ivelina Ivanova Project manager at the Science Education Department of European Schoolnet
11:15 – 11:30	<b>MATH-SCIENCE THEATRE ALL AGES</b>	<b>MP99 HOW TO MAKE A STRIKE</b> Mamakou Despoina, Mouteveli Paraskevi Doukas School, Athens, Greece	<b>MP110 WHERE MATH MEETS MONEY: REAL-LIFE APPLICATIONS OF QUADRATIC PROGRAMMING IN INVESTMENTS</b> Klara Šokac, Luka Zulian Prva riječka hrvatska gimnazija u Rijeci, Croatia	<b>SP30 KECOHOT</b> Myrto Sarpetsa The GC School of Careers, Nicosia, Cyprus	<b>WS17 THE INS AND OUTS OF EMBRACING NATURE-BASED SOLUTIONS IN SUSTAINABILITY EDUCATION AS SEEN THROUGH THE LENS OF NBS EduWORLD AND SCIENTIX®</b>
11:30 – 11:45	<b>MATH-SCIENCE THEATRE ALL AGES</b>	<b>MP74 THE CHANCES OF VIRAL MUTATIONS</b> Samuil Ivanov Terziyiski 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>MP62 MATHS AND DREAMS</b> Kleo Ierodiakonou, Eleni Charalambidi, Anna Markide The English School Nicosia, Cyprus	<b>SP51 THE SCIENCE AND MAGIC OF ORIGAMI ROBOTS</b> Alkinoos Christodoulides*, Ariel Makri Levy**, The Grammar School Nicosia*, AISC Nicosia & Stanford OHS*	<b>WS17 THE INS AND OUTS OF EMBRACING NATURE-BASED SOLUTIONS IN SUSTAINABILITY EDUCATION AS SEEN THROUGH THE LENS OF NBS EduWORLD AND SCIENTIX®</b>

# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Friday, 14 March 2025**

**Grand Hotel Palace, Thessaloniki**

Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B Workshops for students and Teachers	Celeste (Level 1) STEAME Symposium for Teachers
<b>Coordinators</b>	I. Lazarou, D. Florescu	T. Economou, S. Stefanidou	E. Margariti, G. Tzachristas	A. Karatzetzou	E. Papageorgiou
11:45 – 12:00	<b>MATH-SCIENCE THEATRE ALL AGES</b>	<b>MP90 THE MATHEMATICAL THEORY OF CHAOS</b> Evalena Papadopoulou The GC School of Careers, Nicosia, Cyprus	<b>MP111 APPLICATION OF MATHEMATICS IN ANIMAL SPECIES INTERACTIONS – THE LOTKA- VOLTERRA MODEL</b> Fran Blažić Prva riječka hrvatska gimnazija u Rijeci, Croatia	<b>WS10A BLINKING LIGHTS: SOLDER YOUR OWN CIRCUIT</b> *Deutschmann Bernd, **Maier Christoph, **Juch Nikolaus** **TU-Graz, Head of Institute, **TU-Graz, Master Student, ***TU-Graz, Bachelor Student, Austria	<b>WS17 THE INS AND OUTS OF EMBRACING NATURE- BASED SOLUTIONS IN SUSTAINABILITY EDUCATION AS SEEN THROUGH THE LENS OF NBS EduWORLD AND SCIENTIX®</b>
12:00 – 12:15	<b>MATHFACTOR AGES 14-18 Coord. K. Mattheou,  JURY: I. Lazarou K. Skotinou D. Florescu</b>	<b>MP91 THE BEAUTIFUL GAME</b> Andreas Akkelides, Loucas Epiphaniou, Alexandros Lazarou The GC School of Careers, Nicosia, Cyprus	<b>MP63 MATHS AND DANCE</b> Leda Liveri The English School Nicosia, Cyprus	<b>WS10A BLINKING LIGHTS: SOLDER YOUR OWN CIRCUIT</b>	<b>WS17 THE INS AND OUTS OF EMBRACING NATURE- BASED SOLUTIONS IN SUSTAINABILITY EDUCATION AS SEEN THROUGH THE LENS OF NBS EduWORLD AND SCIENTIX®</b>
12:15 – 12:30	<b>MATHFACTOR AGES 14-18</b>	<b>MP89 WEAPONISED MATHEMATICS</b> Stephanos Constantinou, Andreas Ioannides, Elena Ioannidou, Maria Tsangaridou The GC School of Careers, Nicosia, Cyprus	<b>MP112 APPLICATION OF MATHEMATICS IN BAKING - INVESTIGATING THE EFFECT OF BAKING POWDER ON CRESCENT ROLL VOLUME</b> Eni Žeželić Prva riječka hrvatska gimnazija u Rijeci, Croatia	<b>WS10A BLINKING LIGHTS: SOLDER YOUR OWN CIRCUIT</b>	<b>WS17 THE INS AND OUTS OF EMBRACING NATURE- BASED SOLUTIONS IN SUSTAINABILITY EDUCATION AS SEEN THROUGH THE LENS OF NBS EduWORLD AND SCIENTIX®</b>



# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Friday, 14 March 2025**

**Grand Hotel Palace, Thessaloniki**

Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B Workshops for students and Teachers	Celeste (Level 1) STEAME Symposium for Teachers
<b>Coordinators</b>	K. Mattheou, D. Florescu	T. Economou, S. Stefanidou	E. Margariti, G. Tzachristas	A. Karatzetzu	E. Papageorgiou
12:30 – 12:45	<b>MATHFACTOR AGES 14-18</b>	<b>MP76 THE EFFECT OF THE OPPOSITION BLACK – WHITE</b> Anton Georg Borislavov Vasilev, Selina Alper Aleytin, Tsvetina Tsvetislavova Antova 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>MP64 IS MATHEMATICS AN INVENTION OR A DISCOVERY?</b> Egli Michaelidou, Marilita Alkiviadi The English School Nicosia, Cyprus	<b>WS10A BLINKING LIGHTS: SOLDER YOUR OWN CIRCUIT</b>	<b>WS17 THE INS AND OUTS OF EMBRACING NATURE- BASED SOLUTIONS IN SUSTAINABILITY EDUCATION AS SEEN THROUGH THE LENS OF NBS EduWORLD AND SCIENTIX®</b>
12:45 – 13:00	<b>MATHFACTOR AGES 14-18</b>	<b>MP117 MATHS n SPORTS</b> Ioulia Neokleous, Eleni Kirmizis, Iris Panayides The English school Nicosia, Cyprus	<b>MP113 EARNING PIZZA WITH MATH: A CALORIE- BURNING EXPLORATION</b> Dora Franki, Vibor Galjanić Prva riječka hrvatska gimnazija u Rijeci, Croatia	<b>WS10A BLINKING LIGHTS: SOLDER YOUR OWN CIRCUIT</b>	<b>WS17 THE INS AND OUTS OF EMBRACING NATURE- BASED SOLUTIONS IN SUSTAINABILITY EDUCATION AS SEEN THROUGH THE LENS OF NBS EduWORLD AND SCIENTIX®</b>
13:00 – 14:30	<p><b>Lunch Break, Place: Grand Hotel Palace BALL ROOMS (LEVEL -2)</b>  <b>(two time slots groups A and B, check your coupon so you go to the correct time slot)</b>  <b>GROUP A: 13:00 – 13:45</b>  <b>GROUP B: 13:45 – 14:30</b>  <a href="#">Additional coupons for sale available at the registration</a></p>				

# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Friday, 14 March 2025**

**Grand Hotel Palace, Thessaloniki**

Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B Workshops for students and Teachers	Celeste (Level 1) STEAME Symposium for Teachers
<b>Coordinators</b>	I. Lazarou, A. Savvides	K. Mattheou, K. Vourlias	E. Papageorgiou, A. Emmanouilidis	E. Mavidou, B. Deutschmann	T. Economou, E. Margariti
14:30 – 14:45	<b>MP83 WHY ARE KNOTS MORE THAN JUST KNOTS?</b> Ekaterina Frolova The Senior School, Nicosia, Cyprus	<b>MP77 PARABOLAS FOR RECORDS: THE SCIENCE BEHIND OPTIMAL THROWS</b> Tsvetina Tsvetislavova Antova, Selina Alper Aleytin, Lachezar Orlinov Ivanov, 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>SP32 FROM DROPS TO DESIGNS: CRACKING THE CODE OF WATER SHAPES</b> Iolie Demetriou, Danae Loizou, Jessica Makariou, Francesca Szofia Michaelides The GC School of Careers, Nicosia, Cyprus	<b>WS3 ACID RAIN: CHEMISTRY, IMPACT, AND SUSTAINABLE SOLUTIONS</b> Loukia Louka International School of Paphos, Cyprus	<b>WS15 AI-ENHANCED DEVELOPMENT OF STEAME LEARNING &amp; CREATIVITY PLANS</b> Thomas Economou, Elpiniki Margariti, Doukas School, Athens, Greece
14:45 – 15:00	<b>MP65 IS IT ADDICTION OR MATHS?</b> Antrea Iacovou, Stephanie Kremmou, Theodora Hajigeorghi The English School Nicosia, Cyprus	<b>MP79 PIROUETTES WORTH APPLAUSE</b> Aleksandra Panchova Veneva 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>SP35 SMART WASTE SEPARATION DEVICE</b> Demetre Artsividze, Andria Avetyan Innovative Lab – KinderLab, Telavi, Kakheti, Georgia	<b>WS3 ACID RAIN: CHEMISTRY, IMPACT, AND SUSTAINABLE SOLUTIONS</b>	<b>WS15 AI-ENHANCED DEVELOPMENT OF STEAME LEARNING &amp; CREATIVITY PLANS</b>
15:00 – 15:15	<b>MP78 CHAOS IS ALL AROUND US</b> Kristiyan Rosenov Naydenov, Hristo Kostadinov Kostadinov 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>MP75 MATHEMATICAL FORECASTING IN THE SIR MODEL</b> Samuil Ivanov Terziyiski, Raya Aleksandrova Aleksieva 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>SP31 ISOTRETINOIN: THE ACNE GAME- CHANGER</b> Alexandros Koudounas The GC School of Careers, Nicosia, Cyprus	<b>WS3 ACID RAIN: CHEMISTRY, IMPACT, AND SUSTAINABLE SOLUTIONS</b>	<b>WS15 AI-ENHANCED DEVELOPMENT OF STEAME LEARNING &amp; CREATIVITY PLANS</b>

# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Friday, 14 March 2025**

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Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B Workshops for students and Teachers	Celeste (Level 1) STEAME Symposium for Teachers
<b>Coordinators</b>	I. Lazarou, A. Savvides	K. Mattheou, K. Vourlias	E. Papageorgiou, A. Emmanouilidis	E. Mavidou B. Deutschmann	T. Economou, V. Kasapakis
15:15 – 15:30	<b>MP66 HOW AI IS USED IN MATHS</b> Demetris Iasonos, Constantinos Chrysovalantis Georgiou, Chrysanthos Chrysovalantis Georgiou The English School Nicosia, Cyprus	<b>MP80 REMARKABLE NUMBERS</b> Kaloyan Danielov Geshev, Ivan Valentinov Philipov 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>SP33 CHEMICALS AND TREATMENTS INVOLVED IN SCHIZOPHRENIA</b> Anthea Amerikanou, Melanie Charalambous The GC School of Careers, Nicosia, Cyprus	<b>WS10B (Repetition) BLINKING LIGHTS: SOLDER YOUR OWN CIRCUIT</b> *Deutschmann Bernd, **Maier Christoph, **Juch Nikolaus** **TU-Graz, Head of Institute, **TU-Graz, Master Student, ***TU-Graz, Bachelor Student, Austria	<b>WS19 Workshop on "ΕΠΙ – STEAME"</b> Sotos Voskarides Affiliate Professor, Cyprus University of Technology, Cyprus
15:30 – 15: 45	<b>SP3 TIME DILATION</b> Elizaveta Veselik The Island Private School of Limassol, Cyprus	<b>MP92 SHAKING THE GROUND: EXPLORING THE MATHS OF EARTHQUAKES</b> Andreas Kyriakides, Kyriaki Tzialli, Yige Wen, Junkai Yu The GC School of Careers, Nicosia, Cyprus	<b>MP103 (ONLINE) THE PIGEONHOLE PRINCIPLE AND ITS APPLICATIONS IN SOLVING VARIOUS PROBLEMS M</b> Nahal Mannani Enghavegard Skole, Denmark	<b>WS10B (Repetition) BLINKING LIGHTS: SOLDER YOUR OWN CIRCUIT</b>	<b>WS19 Workshop on "ΕΠΙ – STEAME"</b>
15:45 – 16:00	<b>SP4 THE ART OF DYEING WITH NATURAL DYES</b> Nino Chkhikvadze, Nikoloz Lobjanidze, Aleksu Sukhashvili, Tekla Giorgadze, Anano Tsengirashvili Tbilisi International School, Georgia	<b>MP98 GUESS A NUMBER</b> Nikolas Christodoulou, Iasonas Diakos The GC School of Careers, Nicosia, Cyprus	<b>MP104 (ONLINE) INNOVATIVE SOLUTIONS FOR CHALLENGING FRACTIONAL, EXPONENTIAL, AND RADICAL PROBLEMS</b> Diana Mannani Kildegardskole Vest, Denmark	<b>WS10B BLINKING LIGHTS: SOLDER YOUR OWN CIRCUIT</b>	<b>WS23 FOR STUDENTS STEP INTO THE FUTURE: EXPLORING VIRTUAL REALITY LEARNING ENVIRONMENTS</b> Dr. Vlasios Kasapakis Assistant Professor, Department of Cultural Technology and Communication, University of the Aegean, Greece

# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Friday, 14 March 2025**

**Grand Hotel Palace, Thessaloniki**

Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B Workshops for students and Teachers	Celeste STEAME Symposium for Students
<b>Coordinators</b>	I. Lazarou, A. Savvides	A. Skotinos, K. Vourlias	E. Papageorgiou, A. Emmanouilidis	E. Mavidou, B. Deutschmann	V. Kasapakis
16:00 – 16:15	<b>SP5 TIME TRAVEL</b> Orestis Themistocleous The English School Nicosia, Cyprus	<b>MP93 PASCAL'S TRIANGLE</b> Achilleas Amerikanos, Stavros Rallis, Giorgos Tryfonidis, Fotini Tzialli The GC School of Careers, Nicosia, Cyprus	<b>MP105 (ONLINE) FINDING REMAINDERS AND LAST DIGITS: APPLYING MODULAR ARITHMETIC TO EXPONENTIAL NUMBERS</b> Shayan Hasani TAHA High School, Zanjan, Iran	<b>WS10B BLINKING LIGHTS: SOLDER YOUR OWN CIRCUIT</b>	<b>WS23 FOR STUDENTS STEP INTO THE FUTURE: EXPLORING VIRTUAL REALITY LEARNING ENVIRONMENTS</b>
16:15 – 16:30	<b>SP6 HOW CAN AN F1 CAR GO OVER 500 KM/H</b> Aris Moyseos, Paris Sokratous The English School Nicosia, Cyprus	<b>MP81 THE TOWER OF HANOI</b> Valentin Georgiev Gadzhelov 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>MP106 (ONLINE) SYSTEMATIC APPROACHES FOR SOLVING PATH FINDING AND MAZE CHALLENGES IN INTELLIGENCE TESTING</b> Seyede Elisa Hashemi Roshd Junior High School, Zanjan, Iran	<b>WS10B BLINKING LIGHTS: SOLDER YOUR OWN CIRCUIT</b>	<b>WS23 FOR STUDENTS STEP INTO THE FUTURE: EXPLORING VIRTUAL REALITY LEARNING ENVIRONMENTS</b>
16:30 – 16:45	<b>SCIENCE FACTOR ALL AGES</b> Coord. D. Florescu, E. Margariti JURY: T. Economou K. Evripidou G. Tzachristas	<b>MP94 MATHS BEHIND BETS</b> Sophia-Irene Karantoni, Marina Ktori, Irene Vasou The GC School of Careers, Nicosia, Cyprus	<b>SP40 SCIENCE AND HAPPINESS</b> Noam Minujin, Andriana Kkanti, Ori beresy, Viktor Velikov Med High Private English School, Larnaca, Cyprus	<b>WS16 STE(A)M Learning Ecologies (SLEs), by SCIENTIX</b> Ioana Caraghiozov Project officer at the Science Education Department of European Schoolnet	<b>WS23 FOR STUDENTS STEP INTO THE FUTURE: EXPLORING VIRTUAL REALITY LEARNING ENVIRONMENTS</b>

# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Friday, 14 March 2025**

**Grand Hotel Palace, Thessaloniki**

Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B Workshops for students and Teachers	Celeste (L 1) STEAME Symposium for Students
<b>Coordinators</b>	D. Florescu, E. Margariti	A. Skotinos, K. Vourlias	E. Papageorgiou, A. Emmanouilidis	E. Mavidou, B. Deutschmann	V. Kasapakis
16:45 – 17:00	<b>SCIENCE FACTOR ALL AGES</b>	<b>MP82 WHO AM I</b> Nikola Stanislav Vasilev 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>SP43 THE GOD'S PARTICLE</b> Matteo Del Gaudio, Salvatore Guerrera, Domenico Landolfi, Mario Petraccaro Liceo Scientifico "G. Rummo", Benevento, Italy	<b>WS16 STE(A)M Learning Ecologies (SLEs), by SCIENTIX</b>	<b>WS23 FOR STUDENTS STEP INTO THE FUTURE: EXPLORING VIRTUAL REALITY LEARNING ENVIRONMENTS</b>
17:00 – 17:15	<b>SCIENCE FACTOR ALL AGES</b>	<b>MP95 FROM VISION TO ILLUSION; MATHEMATICS WORKING BEHIND THE SCENES TO TRICK OUR EYES</b> Daphne Hadjipavlou, Styliani Anna Kyprianou, Andriani Mafka, Efi Mafka The GC School of Careers, Nicosia, Cyprus	<b>SP41 THE FIFTH TASTE: UMAMI</b> Anja Horvat, Antea Jelović, Mia Gregurina Grammar School "Fran Galovic", Koprivnica, Croatia	<b>WS16 STE(A)M Learning Ecologies (SLEs), by SCIENTIX</b>	<b>WS23 FOR STUDENTS STEP INTO THE FUTURE: EXPLORING VIRTUAL REALITY LEARNING ENVIRONMENTS</b>
17:15 – 17:30	<b>SCIENCE FACTOR ALL AGES</b>	<b>MP67 ELECTIONS: MATH CAN CHANGE WHO WINS</b> Aglaia Patsalides The English School Nicosia, Cyprus	<b>SP44 ALICE IN QUANTUMLAND</b> Martina Cocca, Giulia Coletta, Matteo De Gaudio, Caterina Mucci, Vittoria Panarese Liceo Scientifico "G. Rummo", Benevento, Italy	<b>WS16 STE(A)M Learning Ecologies (SLEs), by SCIENTIX</b>	<b>WS23 FOR STUDENTS STEP INTO THE FUTURE: EXPLORING VIRTUAL REALITY LEARNING ENVIRONMENTS</b>
17:30 – 17:45	<b>SCIENCE FACTOR ALL AGES</b>	<b>MP96 MATHS AROUND THE WORLD</b> Despina-Maria Christoforou, Sophia Forster Georgiou, Olga Salidou, Maritini Stylianou, Smaragda Vasiliou The GC School of Careers, Nicosia, Cyprus	<b>SP42 ACNE</b> Una Bebek Grammar School "Fran Galovic", Koprivnica, Croatia	<b>WS16 STE(A)M Learning Ecologies (SLEs), by SCIENTIX</b>	<b>WS23 FOR STUDENTS STEP INTO THE FUTURE: EXPLORING VIRTUAL REALITY LEARNING ENVIRONMENTS</b>

# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Friday, 14 March 2025**

Grand Hotel Palace, Thessaloniki

Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B Workshops for students and Teachers	Celeste (L 1) STEAME Symposium for Teachers
<b>Coordinators</b>	D. Florescu, E. Margariti	A. Skotinos, K. Vourlias	E. Papageorgiou, A. Emmanouilidis	E. Mavidou, B. Deutschmann	
17:45 – 18:00	<b>SCIENCE FACTOR ALL AGES</b>	<b>MP109</b> <b>ON THE FOUNDATIONS OF MATHEMATICAL THOUGHT: A META-ANALYSIS OF THE PHILOSOPHICAL UNDERPINNINGS OF MATHEMATICAL PRACTICE</b> Martin Kostov, Daniel Kolev, Ivan Stoyanov 125th Secondary School "Boyan Penev", Sofia, Bulgaria	<b>SP45</b> <b>FROM PHOTON TO QUANTUM: LOOKING FOR THE SECRETS OF LIGHT</b> Castiello Cristina, Ciarlo Asia, D’Orsi Irene, Voli Alessandra Liceo Scientifico “G. Rummo”, Benevento, Italy	<b>WS16</b> <b>STE(A)M Learning Ecologies (SLEs), by SCIENTIX</b>	
18:00 – 18:15	<b>SCIENCE FACTOR ALL AGES</b>	<b>MP97</b> <b>HOW TO WIN F1 USING MATHS</b> Constantinos Diomedous, Andreas Koutas, Orestis Stylianides The GC School of Careers, Nicosia, Cyprus	<b>SP68</b> <b>WHY CAN'T YOUR DOG EAT CHOCOLATE?</b> Eva Pavlović, Petra Požgaj Grammar School "Fran Galovic", Koprivnica, Croatia		
18:15 – 18:30	<b>SCIENCE FACTOR ALL AGES</b>	<b>MP114</b> <b>X<sup>n</sup> APPROACHING ZERO</b> Laura Lipovšek, Ula Košir Srednja šola Domžale, Domžale, Slovenia			

# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Friday, 14 March 2025**  
Grand Hotel Palace, Thessaloniki

<b>Friday, 14 March 2025</b> <b>Grand Hotel Palace, Thessaloniki</b>	
<b>Place</b>	Grace Hall B&C
9:30 – 12:00	<div style="display: flex; align-items: center;">  <div style="text-align: center;"> <h2 style="color: #0056b3; margin: 0;">MATH-SCIENCE-Theatre Europe 2025 Competitions – Finals</h2> </div> </div>
<h3 style="color: #0056b3;">Finalists</h3>	
<p><b><u>MATHSCIENCE THEATRE Ages 9-13</u></b></p> <p><b>MSTL1.</b> “Waiting for Bourbaki...”, I.M. Panagiotopoulos School, Greece</p> <p><b>MSTL2.</b> “Fibonacci in the Chocolate Factory”, I.M. Panagiotopoulos School, Greece</p> <p><b>MSTL3.</b> “The Battle of Operations”, Gymnasium of Anthoupoleos, Cyprus</p> <p><b>MSTL4.</b> “The Ladies of Mathematics and two special men”, I.M. Panagiotopoulos School, Greece</p>	<p><b><u>MATHSCIENCE THEATRE Ages 14-18</u></b></p> <p><b>MSTU1.</b> “Guess the Door”, Lykeio Kykkou A’, Cyprus</p> <p><b>MSTU2.</b> “A Black Hole in the Menu”, Pagkyprion Gymnasion, Cyprus</p> <p><b>MSTU3.</b> “Mathematical Crimes...can you survive?”, Xenion High School, Cyprus</p>

# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Friday, 14 March 2025**

Grand Hotel Palace, Thessaloniki

<b>Friday, 14 March 2025</b> <b>Grand Hotel Palace, Thessaloniki</b>	
<b>Place</b>	<b>Grace Hall B&amp;C</b>
<b>12:00-13:00</b>	<div style="display: flex; align-items: center;">  <h2 style="margin: 0;">MATHFactor Europe 2025 Competitions – Finals</h2> </div>
<b>Finalists</b>	
<b><u>MATH FACTOR Ages 14-18</u></b> <b><u>(12:00-13:00 ROOM GRACE HALL B&amp;C)</u></b>	
<p><b>MFU1.</b> “What does geometry sound like?”, Amadea Filipovic, Gimnazija "Fran Galovic" Koprivnica, Croatia</p> <p><b>MFU2.</b> “A potential of a Latin Square”, Erik Zezelj, Osnovna skola "Braca Radic" Koprivnica, Croatia</p> <p><b>MFU3.</b> “Curve stitching”, Ivona Međimurec, Gimnazija "Fran Galović" Koprivnica, Croatia</p> <p><b>MFU4.</b> “Cryptography”, Antea Jelovic, Gimnazija "Fran Galovic" Koprivnica, Croatia</p> <p><b>MFU5.</b> “Basics of numerology”, Gloria Matosic, Osnovna skola "Braca Radic" Koprivnica, Croatia</p> <p><b>MFU6.</b> “King's secret”, Jaka Gale, Skofijska klasicna gimnazija, Slovenia</p> <p><b>MFU7.</b> “Poker Face”, Anja Horvat, Gimnazija "Fran Galovic" Koprivnica, Croatia</p> <p><b>MFU8.</b> “Math Rock”, Franka Zufika, Gimnazija "Fran Galovic" Koprivnica, Croatia</p> <p><b>MFU9.</b> “Complex Numbers”, Marta Gregurina, Osnovna skola "Braca Radic" Koprivnica, Croatia</p> <p><b>MFU10.</b> “Paper bridges to the moon”, Varvara Kechagia, Paralimni Lyceum, Cyprus</p> <p><b>MFU11.</b> “Calculus and Rollercoasters”, Mia Gregurina, Gimnazija "Fran Galovic" Koprivnica, Croatia</p> <p><b>MFU12.</b> “How Eratosthenes accurately calculated the value of Earth’s perimeter, using only simple observations and Geometry”, Anastasios Brouzakis, Doukas School, Greece</p> <p><b>MFU13.</b> “The Kardashev Scales”, Nikolaos Chokias, Doukas School, Greece</p>	




# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Friday, 14 March 2025**

Grand Hotel Palace, Thessaloniki

<b>Place</b>	<b>Grace Hall B&amp;C</b>
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<b>16:30 – 18:30</b>		<h2 style="color: blue;">SCIENCE FACTOR Europe 2025 Competition – Finals</h2>
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### Finalists

<p><b><u>SCIENCE FACTOR Ages 9-13</u></b>  <b><u>16:30-18:30 ROOM GRACE HALL A&amp;B</u></b></p> <p><b>SFL1.</b> “Unveiling the Architectural Marvel: Dubai Creek Tower”, Chunghwan Lee, Apgujeong Elementary School, Korea, Republic of</p> <p><b>SFL2.</b> “Exploring the Sweet Spectrum: A Comprehensive Study of Sugar Types”, Yuha Kwon, Seoul Academy, Korea, Republic of</p> <p><b>SFL3.</b> “Your Ticket to Space: The Future of Interstellar Travel”, Eleni Ktoridou, Geri Gymnasium, Cyprus</p> <p><b>SFL4.</b> “Sugar Substitutes: A Healthier Alternative?”, Jane Shin, KIS, Korea, Republic of</p> <p><b>SFL5.</b> “Selas: A Spectacular Harmony in Science and Romance”, Paisios Papasavvas, Pancyprion Gymnasium, Cyprus</p> <p><b>SFL6.</b> “Germs”, Hansol Park, Amanda Moon Education, Korea, Republic of</p> <p><b>SFL7.</b> “9 lives or just Mathematics”, Anamarija Olgica Matilda van Bregt, Osnovna skola "Braca Radic" Koprivnica, Croatia</p> <p><b>SFL8.</b> “Unveiling the Architectural Marvel: Lotte World Tower”, Chunghun Lee, Apgujeong Elementary School, Korea, Republic of</p> <p><b>SFL9.</b> “A boat ride with Archimedes”, Natalie Paspalli, Agioi Omologites Primary School, Cyprus</p> <p><b>SFL10.</b> “Dreams”, Eunseong Jo, Amanda Moon Education, Korea, Republic of</p>	<p><b><u>SCIENCE FACTOR Ages 14-18</u></b>  <b><u>16:30 – 18:30 ROOM GRACE HALL A&amp;B</u></b></p> <p><b>SFU1.</b> “Ibuprofen”, Una Bebek, Gimnazija "Fran Galovic" Koprivnica, Croatia</p> <p><b>SFU2.</b> “Influence of volcanoes on the world and it's climate”, Leona Salajpal, Osnovna skola "Braca Radic" Koprivnica, Croatia</p> <p><b>SFU3.</b> “One minute of mine and one minute of yours, is it the same?”, Christos Constantinou, Pagkyprion Gymnasium, Cyprus</p> <p><b>SFU4.</b> “Hydrophilic and Hydrophobic Substances”, Laura Sifkorn, Gimnazija "Fran Galovic" Koprivnica, Croatia</p> <p><b>SFU5.</b> “Schrödinger’s cat”, Lorena Habek, Osnovna skola "Braca Radic" Koprivnica, Croatia</p>
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***Mathematics and Science by Night***  
***Celebrating the International Day of  $\pi$***

Friday, 14 March 2025

Grand Hotel Palace, Thessaloniki

19:00 – 22:00

**Dinner, Place: Grand Hotel Palace BALL ROOMS (LEVEL -2)**  
(two time slots groups A and B, check your coupon so you go to the correct time slot)  
**GROUP A: 19:00 – 20:30**  
**GROUP B: 20:30 – 22:00**  
[Additional coupons for sale available at the registration](#)

21:30 – 00:30

**Dance , Place: Garden Halls A&B (Level 0)**  
***“Mathematics and Science by Night”*, 14 March 2025**  
***«Celebrating the International Day of  $\pi$ »* Special Cake Cut at 22:15**

21:30 – 23:00

**Invitation to a Bar Drink for teachers and parents only**  
**Offered at the lobby bar and garden (Wine or beer, 5 euro per drink)**  
**(Use Conference Registration Drink Coupon for 1<sup>st</sup> free drink, 2<sup>nd</sup> drink or more at pay bar)**

# EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Saturday, 15 March 2025**

Grand Hotel Palace, Thessaloniki

Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A Workshop for students	Garden Hall B Workshops for students and Teachers	Celeste (Level 1) STEAME Symposium
<b>Coordinators</b>	I. Lazarou, Z. Zacharaki	K. Mattheou, K. Evripidou	D. Florescu	A. Savvides	
09:30 – 09:45	<b>SP46</b> <b>FROM CHAOS TO HARMONY: THE BUTTERFLY EFFECT</b> Cotugno Martina, Matarazzo Alice, Orlacchio Serena, Panella Michela Liceo Scientifico “G. Rummo”, Benevento, Italy	<b>SP52</b> <b>TARTRATES AN EMOTION TRAPPED IN A JEWEL</b> Anastasia Bolkvadze, Nene Zubashvili, Sofio Chkheidze Servantes Gymnasium AIA-GESS, Tbilisi, Georgia	<b>WS9</b> <b>THE MAGIC OF <math>\pi</math>: A JOURNEY THROUGH NUMBERS, POETRY, AND FUN</b> Georgios Tzachristas Student, School of Electrical and Computer Engineering - National Technical University of Athens	<b>WS7</b> <b>IS TASTE JUST SMELL?</b> Claire Polycarpou International School of Paphos, Cyprus	
09:45 – 10:00	<b>SP49</b> <b>X-RAYS: A TRAVEL TO THE INVISIBLE</b> Danae Alexopoulou, Agiannitis Konstantinos Doukas School, Athens, Greece	<b>SP57</b> <b>UNVEILING THE SECRETS OF SKYSCRAPER STABILITY</b> Chunghwan Lee, Chunghun Lee Apgujeong Elementary School, Korea	<b>WS9</b> <b>THE MAGIC OF <math>\pi</math>: A JOURNEY THROUGH NUMBERS, POETRY, AND FUN</b>	<b>WS7</b> <b>IS TASTE JUST SMELL?</b>	
10:00 – 10:15	<b>SP47</b> <b>COSMIC WONDERS: BLACK HOLES AND TIME TRAVEL</b> De Nisi Vincenzo, Lanzotti Davide, Madonna Giuseppe, Mauta Mario Liceo Scientifico “G. Rummo”, Benevento, Italy	<b>SP53</b> <b>UNIQUE GEORGIAN HERBS VS TEENAGERS' EVERYDAY LIFE SCARRED BY ACNE</b> Anano Sheverdashvili, Liliana Pindishvili, Mariam Chubinidze, Mate Mosakhlishvili Servantes Gymnasium AIA-GESS, Tbilisi, Georgia	<b>WS9</b> <b>THE MAGIC OF <math>\pi</math>: A JOURNEY THROUGH NUMBERS, POETRY, AND FUN</b>	<b>WS7</b> <b>IS TASTE JUST SMELL?</b>	

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Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B Workshops for students and Teachers	Celeste STEAME Symposium
<b>Coordinators</b>	I. Lazarou, Z. Zacharaki	K. Mattheou, K. Evripidou	D. Florescu	A. Savvides	
10:15 – 10:30	<b>SP50 RHYTHM IN CHAOS</b> Giorgi Tchiabrishvili, Tevdore Namgaladze, Nia Iluridze, Nino Akhalmosulishvili, Salome Gogilava Saint King Tamar Gymnasium of Patriarchate, Tbilisi, Georgia	<b>SP58 FINDING THE PERFECT FLIP</b> Dajin Lim, Gyobin Kang, Yejin Han Amanda Moon Education, Korea	<b>WS4 RECURRING DECIMALS</b> Marios Nye International School of Paphos, Cyprus	<b>WS8 INTERACTIVE LEARNING THROUGH PLAY</b> Željka Hanžek*, Iva Özaltın** Osnovna škola "Antun Nemčić Gostovinski" Koprivnica*, Osnovna skola "Braca Radic" Koprivnica**, Croatia	
10:30 – 10:45	<b>SP48 PHYSICS AND MATHS BEHIND A CAR</b> Domenico Buonanno, Alessio Calandrelli, Andrea Carbone, Lorenzo Meoli, Gabriele Zampelli Liceo Scientifico "G. Rummo", Benevento, Italy	<b>SP59 DOES SUGAR MAKE US HYPER?</b> *Yuha Kwon, **Jane Shin *Seoul Academy, **KIS, Korea	<b>WS4 RECURRING DECIMALS</b>	<b>WS8 INTERACTIVE LEARNING THROUGH PLAY</b>	
10:45 – 11:00	<b>SP64 DANGERS OF SMOKING</b> Heather Bellizzi, Antonia Golea, Antrea Kritioti, Mia Sidhu International School of Paphos, Nicosia	<b>SP60 RELATION BETWEEN URBAN HEAT ISLAND AND ALBEDO EFFECT</b> Jihoon Kim, Jiseop Kim Amanda Moon Education, Korea	<b>WS4 RECURRING DECIMALS</b>	<b>WS8 INTERACTIVE LEARNING THROUGH PLAY</b>	
11:00 – 11:15	<b>SP66 THE SOLAR SYSTEM</b> Christos Tofarides International School of Paphos, Nicosia	<b>SP61 EXPLORING PAST CREATURES THAT LIVED IN KOREA</b> Jaeyoung Cheon Dusil Elementary School Busan		<b>WS1 CALCULATE AND COLOR</b> Iva Özaltın, Mara Grašić Osnovna skola "Braca Radic" Koprivnica, Croatia	

## EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

**Saturday, 15 March 2025**

**Grand Hotel Palace, Thessaloniki**

Place	Grace Hall B&C EUROMATH-SCIENCE	Grace Hall A EUROMATH-SCIENCE	Garden Hall A EUROMATH-SCIENCE	Garden Hall B Workshops for students and Teachers	Celeste STEAME Symposium
<b>Coordinators</b>	I. Lazarou, Z. Zacharaki	K. Mattheou, K. Evripidou		G. Tzachristas	
11:15 – 11:30	<b>SP67 SCHRÖDINGER'S THEORY: THE PARADOX OF QUANTUM SUPERPOSITION</b> Andreas Demosthenous Pagkypriou Gymnasion, Cyprus	<b>SP63 MICROPLASTICS, THE BIG PROBLEM</b> Ha Jihoon, Park Junseo, Jo Seongwon Amanda Moon Education, Korea		<b>WS1 CALCULATE AND COLOR</b>	
11:30 – 11:45	<b>SP65 DNA</b> Alina Trofimchuk International School of Paphos, Nicosia	<b>SP69 THE SECRETS OF THE ANTIKYTHERA MECHANISM</b> Eleana Voutsadaki, Orestis Georgilidakis, Nino Pefanis, Maximos Tilemachou Europaiko Protypo, Athens, Greece		<b>WS1 CALCULATE AND COLOR</b>	
11:45 – 12:00		<b>SP62 HARNESSING NOISE-CANCELING TECHNOLOGY: EXPERIMENTS WITH FXLMS AND REAL-WORLD APPLICATIONS</b> Hajoon Lee, Hyeonho Kwon Saint Paul Academy Daechi		<b>WS2 KINGS OF FRACTIONS</b> Mara Grašić, Iva Özaltın Osnovna skola "Braca Radic" Koprivnica, Croatia	
12:00 – 12:15				<b>WS2 KINGS OF FRACTIONS</b>	
12:15 – 12:30				<b>WS2 KINGS OF FRACTIONS</b>	

## EUROMATH & EUROSCIENCE & EUROPEAN & STEAME-ACADEMY SYMPOSIUM 2025

<b>Saturday, 15 March 2025</b>	
Grand Hotel Palace, Thessaloniki	
<b>13:15 – 14:30</b>	<p><b>Lunch Break, Place: Grand Hotel Palace BALL ROOMS (LEVEL -2)</b>  <b>(two time slots groups A and B, check your coupon so you go to the correct time slot)</b></p> <p><b>GROUP A: 13:00 – 13:45</b>  <b>GROUP B: 13:45 – 14:30</b></p> <p><a href="#">Additional coupons for sale available at the registration</a></p>

<b>Saturday, 15 March 2025</b>	
Grand Hotel Palace, Thessaloniki	
<b>Room</b>	<b>GRACE HALL B&amp;C</b>
	<b>AWARDS CEREMONY</b>
<b>Coordinators</b>	T. Economou, E. Margariti
<b>14:45 – 15:00</b>	<b>Closing Remarks by prof. Gregory Makrides, Chair of EUROMATH &amp; EUROSCIENCE 2025 &amp; STEAME-ACADEMY Symposium 2025</b> <b>Invitation to 2026</b>
<b>15:00 – 16:30</b>	<p><b>CEREMONY</b></p> <p>Daily best Estimator competition awards  Results of MATH Poster Design 2025 Competition  Results of MATHFactor Europe 2025  Results of MATHPresentation 2025 Competition  Results of MATHSCIENCE Theatre Europe 2025  Results of SCIENCE Poster Design 2025 Competition  Results SCIENCEPresentation 2025 Competition  Results of SCIENCEFactor Europe 2025</p>
<b>Sunday, 16 March 2025</b>	
<b>All day</b>	<b>Optional Excursions (contact TOP-KINISIS for arranging your excursion)</b> <b>Departures</b>