

EUROMATH & EUROSCIENCE 2020 – ASTUCON 2020 PROGRAMME

Wednesday, 11 March 2020

Lobby Area/Seros Space, Grand Hotel Palace, Thessaloniki, Greece

All day	Arrivals	
14:00 – 19:00	REGISTRATION Lobby Area/Seros Space	Registration for Conference participants and Competition Finalists MATH & SCIENCE Poster Design Competition - Submission of printed poster designs
	TEST	TEST

Thursday, 12 March 2020

Grand Hotel Palace, Thessaloniki, Greece

08:30 +	REGISTRATIONS (Lobby Area /Seros Space): For Conference participants and Competition finalists MATH & SCIENCE Poster COMPETITION Submission of printed poster designs				
Place	Olympia B&C (Level 0)	Patoulidou A (Level 0)	Olympiad A (Level 0)	Patoulidou B (Level 0)	Kallipatira (Level +1)
Coordinators	Christina Papadopoulou Grigoria Iosifidou	Athanasios Kouroupis Grigoris Kopsacheillis	Christos Kitsios	Dimitrios Tsintilidas	Ioannis Iakovidis Athanasios Koutsopagos
09:30 – 09:45	MP1 DIABETES IS MATHEMATICS Marija Švegović Centar Izvrsnosti, Koprivnica, Croatia	MP16 RATES AS A SOLUTION TO EVERYTHING Yegor Kim, Pavel Burya, Konstantin Popov International School of Moscow, Russia	WS2 (for 5-8 grades students) PRACTICAL APPLICATION OF LINEAR DIOPHANTINE EQUATIONS WITH TWO UNKNOWNNS Sava Grozdev VUZF University	WS5 (for all students) KAHOOT QUIZ Marina Furkes, Bojana Habek Gimnazija „Fran Galovic“ Koprivnica, Croatia	SP1 PHYSICS IN CARTOONS Nikita Guz, Dohyun Lee International School of Moscow, Russia
09:45 – 10:00	MP2 MATH IN VUČEDOL CULTURE Lea Smiljanec, Nera Tomrlin Centar Izvrsnosti, Koprivnica, Croatia	MP12 NAVIGATING THE WORLD Innokentiy Kurov International School of Moscow, Russia	WS2 PRACTICAL APPLICATION OF LINEAR DIOPHANTINE EQUATIONS WITH TWO UNKNOWNNS	WS5 KAHOOT QUIZ	SP17 HISTORY, FUTURE AND STORY OF IVF Maria Vilstrup Rygaards International School, Denmark

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Coordinators	Christina Papadopoulou Grigoria Iosifidou	Athanasios Kouroupis Grigoris Kopsacheilis	Christos Kitsios	Dimitrios Tsintsilidas	Ioannis Iakovidis Athanasios Koutsopagos
10:00 – 10:15	MP17 MATHEMATICS IN ART Qishi Xie, Platon Sagun The Heritage Private School, Palodia, Limassol, Cyprus	SP3 BUILDING A BLACK HOLE BOMB Varvara Muminova International School of Moscow, Russia	WS2 PRACTICAL APPLICATION OF LINEAR DIOPHANTINE EQUATIONS WITH TWO UNKNOWN	WS5 KAHOOT QUIZ	MP9 MATHEMATICS IN DANCE Ella Kolar, Paula Škrobar, Magdalena Zovko OS Braca Radic, Koprivnica, Croatia
10:15 – 10:30	MP14 NEURAL NETWORKS Anna Mordvina International School of Moscow, Russia	SP4 DARK MATTER: WHY DOES IT MATTER? Maria Tivanova The Heritage Private School, Palodia, Limassol, Cyprus	WS3 (for grades 9-12 students) ORNAMENTS: ALGEBRA MEETS GEOMETRY Tomasz Szemberg Pedagogical University of Krakow	WS6 (for students) PARTICLE PHYSICS (elementary) PLAYING WITH THE QUARKS Evangelos Gazis Institute of Accelerating Systems and Applications (IASA), Greece	MP10 MATHEMATICS IN ARCHITECTURE Zana Sipek, Ella Vrabelj OS Braca Radic, Koprivnica, Croatia
10:30 – 10:45	MP15 Gaga's Golden Ratio Celena Ota International School of Moscow, Russia	SP21 Left or Right Brain - Theory or Reality? Ana Christina Johansson, Sophia Rosalinda Tammi Rygaards International School, Denmark	WS3 ORNAMENTS: ALGEBRA MEETS GEOMETRY	WS6 PARTICLE PHYSICS (elementary) PLAYING WITH THE QUARKS	MP7 MATHEMATICS IN MEDICINE Martina Petrovic OS Braca Radic, Koprivnica, Croatia
10:45 - 11:00	MP18 INFINITE CHOCOLATE? YES, PLEASE! Shengkun Zhao, Yufan Tang, Yawen Yang The Heritage Private School, Palodia, Limassol, Cyprus	SP6 GENETIC MUTATIONS: SUPERHEROS AND LACTOSE INTOLERANCE Taisia Smirnyagina International School of Moscow, Russia	WS3 ORNAMENTS: ALGEBRA MEETS GEOMETRY	WS6 PARTICLE PHYSICS (elementary) PLAYING WITH THE QUARKS	MP8 MATHEMATICS IN HISTORY Niko Sertić OS Braca Radic, Koprivnica, Croatia
11:00 - 11:15	BREAK (water bottles with coupon from Marco Polo Bar)				

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11:15 – 11:30	MP3 MATH IS IN THE AIR Korana Grgac, Teo Hanzekovic OS Braca Radic, Koprivnica, Croatia	MP53 MATHLETICS Andreas Hadjikallis, Eleni Papachristoforou, Anestis Louca, Maria Zorni, Thalia Theodorou American Academy Larnaca, Cyprus	WS4 (for grade 6+ students and teachers) ARE LINES STRAIGHT (FORWARD)? Justyna Szpond Pedagogical University of Krakow	WS8 (for students) DENTAL MATH Nikolina Kuzmić Šelimber and Hrvoje Šelimber Udruga mladih koprivničkih matematičara, Čarda 43, Koprivnica, Croatia Osnovna škola “Antun Nemčić Gostovinski” Koprivnica, Školska 5, Croatia	SP7 HOW DO WE LEARN? Anastasia Vidyaeva International School of Moscow, Russia
11:30 – 11:45	MP4 MATHEMATICS AND ANIMALS Elena Sijak, Nikolina Isabella Marija van Bregt OS Braca Radic, Koprivnica, Croatia	MP31 GRAPH THEORY PROBLEMS AND APPLICATIONS Neven Lukić Gimnazija “Fran Galović” Koprivnica, Croatia	WS4 ARE LINES STRAIGHT (FORWARD)?	WS8 DENTAL MATH	SP8 THE FUTURE OF THE MICROCOSM Yegor Kim, Pavel Burya, Konstantin Popov International School of Moscow, Russia
11:45 – 12:00	MP5 MATHEMATICS MODEL OF SUSTAINABLE TOURISM Fran Filipović OS Braca Radic, Koprivnica, Croatia	MP32 FIBONACCI SEQUENCE IN NATURE Karla Šmitlehner, Marta Šola Gimnazija “Fran Galović” Koprivnica, Croatia	WS4 ARE LINES STRAIGHT (FORWARD)?	WS8 DENTAL MATH	SP9 TRAVELLING IN SPACE, THROUGH SCIENCE Napolina Yiannakou The Heritage Private School, Palodia, Limassol, Cyprus
12:00 – 12:15	MP6 MATHEMATICS IN SPACE Luka Rubes OS Braca Radic, Koprivnica, Croatia	MP71 QUANTUM CRYPTOGRAPHY Spanoudis Nikos De La Salle College, Thessaloniki, Greece	WS1 LET'S DISCOVER MATHEMATICS WITH DIGITAL TOOLS Mara Grašić, Ksenija Varović Osnovna škola „Braća Radić“, Koprivnica, Croatia Drnje, Croatia	WS11 (for students) HOW MANY DESCENDANTS? Brendan McLoughlin International School of Moscow, Russia	SP10 ANTI-NUCLEAR MISSILE DEFENCE Stepan Malov International School of Moscow, Russia

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12:15 – 12:30	MP21 MATHEMATICS IN GEOGRAPHY Mihael Pjatakov, Marko Šarić, Cemal Ustundag Primary school “Braća Radić”, Koprivnica, Croatia	SP2 BLACK HOLES AND HOW THEY ROTATE Amira Sembieva International School of Moscow, Russia	WS1 (for students) LET'S DISCOVER MATHEMATICS WITH DIGITAL TOOLS	WS11 HOW MANY DESCENDANTS?	MP54 THE REAL THE IRRATIONAL AND THE IMAGINARY George Karesiou, Marios Americanos, Panagiotis Grigoriou, Alexandros Zachariou American Academy Larnaca, Cyprus
12:30 – 12:45	MP22 CHECKMATE! Matko Stanić Osnovna škola “Antun Nemčić Gostovinski” Koprivnica, Školska 5, Croatia	SP5 THE SECRETS OF THE SUBCONSCIOUS MIND Lucia Hosein, Elizabeth Holt International School of Moscow, Russia	WS1 LET'S DISCOVER MATHEMATICS WITH DIGITAL TOOLS	WS11 HOW MANY DESCENDANTS?	MP55 MY TRIANGULAR WORLD Galatea Evgeniou, Stephanie Demetriou, Marilia Fysentzidi, Charilia Papalambrou, Constatina Polycarpou American Academy Larnaca, Cyprus
12:45 – 13:00	MP23 MATHS AND MINECRAFT Jakov Gregurić, Borna Sočev Osnovna škola “Antun Nemčić Gostovinski” Koprivnica, Školska 5, Croatia	SP11 THE FUSION REACTOR Egor Kuzmichev International School of Moscow, Russia	WS1 LET'S DISCOVER MATHEMATICS WITH DIGITAL TOOLS	WS11 HOW MANY DESCENDANTS?	MP56 MATHEMATICS AND ARCHITECTURE Erene Efstathiou, Stephanie Symeonidi, Kyriaki Paradisioti, Miranda Hadjimatheou, Maria Hadjichambi, Theodosia Hadjimarcou American Academy Larnaca, Cyprus
13:10 – 14:30	Lunch Break, Place: GRAND BALL Rooms A & B (Level -2) Coupons offered by TopKinisis Travel to those who booked accommodation through them. Additional coupons for sale available at the registration desk				

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14:30 – 14:45	SP12 MAXIMUM POSSIBLE DEPTH THAT CAN BE REACHED DURING A FREEDIVE (NLT) Alisa Polyakova International School of Moscow, Russia	MP27 MATHEMATICS IN BUILDING HOUSES Izabela Lugarov, Matej Matijašić Osnovna škola Fran Koncelak, Pemija 72, Drnje, Croatia	WS14 (for students) USING MATHEMATICS TO SAVE WATER Amélia C. Caldeira, Polytechnic of Porto, Porto, M. T. Malheiro, Rui M. S. Pereira, A. Manuela Gonçalves, S.O. Lopes, University of Minho, Braga, Portugal	WS13 (for students) AN EDUCATIONAL AND INCLUSIVE APPROACH OF GEOMETRY THROUGH FRACTALS Anna Alfieri Liceo Scientifico “Luigi Siciliani” Catanzaro_Italy	MP36 THE PERFECT RACKET Carmela Ciampi, Simone Di Dio, Chiara Iscaro, Laura Lanni, Antonio Pezzulo, Martina Varricchio Liceo Scientifico “G. Rummo” Benevento, Italy
14:45 – 15:00	SP14 CHERNOBYL AFTERMATH Yuna Apyratina, Sofia Musakhanova International School of Moscow, Russia	MP28 A HISTORY OF THE METRE Maia Kristina Arhall Bergendorff Rygaards International School, Denmark	WS14 USING MATHEMATICS TO SAVE WATER	WS13 AN EDUCATIONAL AND INCLUSIVE APPROACH OF GEOMETRY THROUGH FRACTALS	MP33 MUSIC AND MATHEMATICS Klara Smiljanić Gimnazija “Fran Galović” Koprivnica, Croatia
15:00 – 15:15	SP25 PHYSICS OF FOOTBALL Evgenios Evgeniou, Stathis Matolis, Michalis Mishelis American Academy Larnaca, Cyprus	MP29 TWO FACES NUMBERS Ali Bulori Shahid Beheshti 1, Iran	WS14 USING MATHEMATICS TO SAVE WATER	WS13 AN EDUCATIONAL AND INCLUSIVE APPROACH OF GEOMETRY THROUGH FRACTALS	MP34 MATH IN FITNESS Klara Šestak, Neven Lukic Gimnazija „Fran Galović” Koprivnica, Croatia

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15:15 – 15:30	<p>SP26 GENES AT WORK, A BOARD GAME Romano Raffaele, Amen Alessandro, Esposito Emanuele Istituto Statale per l’Istruzione Secondaria “Europa”, Pomigliano d’Arco, Naples, Italy</p>	<p>MP30 TRIPLE JUMP Julian R. Trott, Tamás Kovács Rygaards International School, Denmark</p>	<p>WS14 USING MATHEMATICS TO SAVE WATER</p>	<p>WS12 (for students) GENES AT WORK. A BOARD GAME TO WORK ON RELATIONSHIPS, ETHICAL SKILLS, STRATEGIC THINKING, PLANNING, COOPERATION, AND INCLUSIVENESS Di Fonza Mario, Nappi Sabrina, Busiello Rosanna, Puzone Giuseppe, Settembre Vincenzo, Aiese Rosa Krizia, Istituto Statale per l’Istruzione Secondaria “Europa”, Pomigliano d’Arco, Naples, Italy</p>	<p>MP37 STUDYING MATHEMATICS AS A PIECE OF ITALIAN FOOD Amoriello Pietro, Bovino Stefania, Iannella Alessia Liceo Scientifico “G. Rummo” Benevento, Italy</p>
15:30 – 15.45	<p>SP18 THE POWER OF THE MIND Sara Švegović Gimnazija “Fran Galović” Koprivnica, Croatia</p>	<p>MP19 MATHEMATICS IN SOLAR SYSTEM Tara Tetec, Leo Bradić Primary school “Braća Radić”, Koprivnica, Croatia</p>		<p>WS12 GENES AT WORK. A BOARD GAME TO WORK ON RELATIONSHIPS, ETHICAL SKILLS, STRATEGIC THINKING, PLANNING, COOPERATION, AND INCLUSIVENESS</p>	<p>MP38 SMARTPHONE AND MATHEMATICS Giovanna Iannella, Alessandra Carla Coletta, Roberta Romano Liceo Scientifico “G. Rummo” Benevento, Italy</p>
15:45 – 16:00				<p>WS12 GENES AT WORK. A BOARD GAME TO WORK ON RELATIONSHIPS, ETHICAL SKILLS, STRATEGIC THINKING, PLANNING, COOPERATION, AND INCLUSIVENESS</p>	

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Opening Ceremony

EUROMATH and EUROSCIENCE 2020 Conference and ASTUCON 2020

Room: Olympia B&C (Level 0)

Invited Plenary

“MATH IS FOR THE FUTURE” by Mina Teicher, Emmy Noether Research Institute for Mathematics, Israel

(Read detailed programme in the booklet)

16:30 – 18:00

18:00 – 19:00

RECEPTION with traditional sweet of Thessaloniki

Place: OLYMPIA (Level 0)

COMPETITION REHEARSALS

Coordinator

C. Papagiannis, S. Loizias, L. Makrides

19:00 – 20:30

(Reserve your wish for using the stage for rehearsal for the competitions below by sending an email to info@euromath.org

(indicate name, school and competition)

MATH and SCIENCE Theatre Europe Competition – Rehearsals (Olympia B&C, Level 0)

MATHFactor Europe Competition – Rehearsals (Patoulidou I , Level 0)

SCIENCE-Factor Europe Competition - Rehearsals (Patoulidou II, Level 0)

Reserve your time slot, approximately 3 min per Factor, between 5-12 min per Theatre

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REGISTRATIONS (ROOM MULTIFUNCTIONAL CONFERENCE CENTRE: Arion Bar area): For Conference participants and Competition finalists

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09:00 – 09:15	SP28 LIGHT, WAVE OR PARTICLE? Hritik Roy Chowdhury Rygaards International School, Denmark	MP39 SADDLE UP! Ciavanni Annachiara, Citarella Alessia, Lepore Liliana, Pellegri Maria Helena Liceo Scientifico “G. Rummo” Benevento, Italy	WS7 (for teachers and grade 11-12 students) PARTICLE ACCELERATORS. THE MACHINES OF THE FUTURE Evangelos Gazis Institute of Accelerating Systems and Applications (IASA), Greece	WS10 (for grade 5-8 students) THE UNIVERSE GOES TO PRIMARY SCHOOL Elena Elliniadou MEd 2nd Primary School of Piraeus Uruguay, Greece	MP70 ANALYSIS OF THE GENERALIZED QUEEN PROBLEM Ivan Ventsislavov Georgiev Sofia High School of Mathematics Sofia, Bulgaria
09:15 – 09:30	SP29 WEB RADIO LIVE Alberto Pesce Istituto Statale per l’Istruzione Secondaria “Europa”, Pomigliano d’Arco, Naples, Italy	MP40 QUANTUM COMPUTERS Antonio Pezzulo, Carlo di Pasquale, Chiara Iscaro, Giuseppe Viglione, Lorenzo Addivinola Liceo Scientifico “G. Rummo” Benevento, Italy	WS7 PARTICLE ACCELERATORS. THE MACHINES OF THE FUTURE	WS10 THE UNIVERSE GOES TO PRIMARY SCHOOL	MP72 MONTY HALL Marko Praček St Stanislav Institution, Gymnasium, Ljubljana, Slovenia
09:30 – 9:45	SP30 IS LAB-GROWN MEAT SUITABLE FOR MASS CONSUMPTION? Bakogiannis Eleftherios, Chatzakou Christine, Kakos Nickolaos, Nikolaou Konstantina, Tamvakas Chris The American College of Greece-Pierce, Athens, Greece	MP41 PROBABILITY OF FOOTBALL BETS Giorgio Benedetto Bravi, Giovanni Catauro, Bruno Nesticò, Piofrancesco Rosella, Rinaldo Saviano Liceo Scientifico “G. Rummo” Benevento, Italy	WS7 PARTICLE ACCELERATORS. THE MACHINES OF THE FUTURE	WS10 THE UNIVERSE GOES TO PRIMARY SCHOOL	MP49 WHEN FOUR CURVES MEET Panagiotis Bampatsias Varvakeio Model High School of Athens, Greece

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09:45 – 10:00	SP31 CAR T-CELL IMMUNOTHERAPY: REVOLUTIONIZING CANCER TREATMENT Ploumis Georgios, Sadopoulos Evaggelos Angelos, Tsikou Vasiliki Silvia The American College of Greece-Pierce, Athens, Greece	MP42 NETFLIX: AN ISSUE OF RECOMMENDATION! Fiorentino Giuseppe Manuel, Fucci Francesca Pia, Paduano Francesco Agostino, Guerrera Concetta, Addivinola Lorenzo, Viscio Viglione Livia Liceo Scientifico “G. Rummo” Benevento, Italy	WS9 (for students) SOLVING PUZZLES AND RIDDLES USING LOGIC AND PROBABILITIES Michalis Gavrielides The English School, Nicosia, Cyprus	WS10 THE UNIVERSE GOES TO PRIMARY SCHOOL	MP20 MATHEMATICS ON GEOGRAPHICAL MAP Jakov Koštarić, Damjan Koštarić Primary school “Braća Radić”, Koprivnica, Croatia
10:00 – 10:15	SP32 THE NEW ERA OF ELECTRIC VEHICLES Mistrioti Myrto, Tasouli Vasiliki, Karamouzi Vasileia, Bouris Eleni Ioanna, Mafoutsis Yasmine The American College of Greece-Pierce, Athens, Greece	MP43 LOVE AND MONEY Giuseppe Abbate, Giuseppe Viglione, Mariagaia Miranda, Francesca Lacerra, Giorgia Iammarino, Carlo Di Pasquale Liceo Scientifico “G. Rummo” Benevento, Italy	WS9 SOLVING PUZZLES AND RIDDLES USING LOGIC AND PROBABILITIES	WS10 THE UNIVERSE GOES TO PRIMARY SCHOOL	MP51 1,2,3...N DIMENSIONS IN GEOMETRY Emilia Biamonte, Martina Umbrello Liceo Scientifico “Luigi Siciliani” Catanzaro_Italy
10:15 – 10:30	SP33 LIGHT BULBS, LET’S SEE IT CLEARLY! Esposito Emanuele, Romano Raffaele, Amen Alessandro Istituto Statale per l’Istruzione Secondaria “Europa”, Pomigliano d’Arco, Naples, Italy	MP44 LET’S GIVE IT A CUT Boffa Maria Giulia, Fiorito Alessia, Giangregorio Luigi, Napolitano Swami, Verderosa Ciro, Verderosa Giuseppe Liceo Scientifico “G. Rummo” Benevento, Italy	WS9 SOLVING PUZZLES AND RIDDLES USING LOGIC AND PROBABILITIES	WS10 THE UNIVERSE GOES TO PRIMARY SCHOOL	MP65 ALAN TURING AND THE ENIGMA MACHINE Belegrinos Eleftherios, Karaferis George-Paris, Tsormpatzoglou George The American College of Greece-Pierce, Greece

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10:30 – 10:45	SP34 COPY AND PASTE...THE FUTURE? Eleni Maria Vlotomas International School of Paphos, Paphos, Cyprus	MP45 INSTAGRAM: LET’S REVEAL ITS SECRETS! Francesco Agostino Paduano, Laura Lanni, Martina Varricchio, Maria Gaia Miranda Liceo Scientifico “G. Rummo” Benevento, Italy	WS9 SOLVING PUZZLES AND RIDDLES USING LOGIC AND PROBABILITIES	WS15 (for students) MUSICMATH METHODOLOGY: FRACTIONS ENSEMBLE Eric Roldan Roa, Erika Roldan Roa, Misael Hernández Leal, Aldo Martínez Chávez MusicMath team, University of Tartu, Zapopan-Jalisco- Mexico	MP52 TELL ME WHAT YOU EAT AND I WILL TELL YOU WHAT YOU ARE Alberto Pesce Istituto Statale per l’Istruzione Secondaria “Europa”, Pomigliano d’Arco, Naples, Italy
10:45 – 11:00	MP59 NUMBER ART Tea Hansson, Axel Palmé, Alva Strand Polhemskolan, Sweden	SP35 OUR VULNERABILITY TOWARDS OUR CYBER LIFE Arian Adeli Koodehi International School of Paphos, Paphos, Cyprus	WS16 (teachers and students) BOOSTING CIRCULAR ECONOMY KNOWLEDGE IN STEM FUTURE CLASS Eirini Siotou, Effie Papageorgiou, Lina Chachali Nea Genia Ziridis, Athens, Greece	WS15 MUSICMATH METHODOLOGY: FRACTIONS ENSEMBLE	MP66 MATHEMATICS AND PHILOSOPHY Juan A. Monge-Navarro Otero Turku International School, Finland
11:00 – 11:15	MP60 THE DEVELOPMENT OF CRYPTOLOGY Astrid Hofwander, Engla Sundström Polhemskolan, Sweden	SP36 CELEBRITIES AND GLOBAL WARMING Andreas Tavros International School of Paphos, Paphos, Cyprus	WS16 BOOSTING CIRCULAR ECONOMY KNOWLEDGE IN STEM FUTURE CLASS	WS15 MUSICMATH METHODOLOGY: FRACTIONS ENSEMBLE	MP61 EATING MATHEMATICS Federica Petrella, Clara Verdino, Matteo Piscopo Liceo Scientifico “G. Rummo” Benevento, Italy

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11:15 – 11:30	MP24 THAT TRICKY MATH Noel Mađerić, Petar Šajfar Osnovna škola "Antun Nemčić Gostovinski" Koprivnica, Školska 5, Croatia	SP37 PROSTHETICS Nersu Yahı Mediterranean High School, Larnaca, Cyprus	WS16 BOOSTING CIRCULAR ECONOMY KNOWLEDGE IN STEM FUTURE CLASS	SP22 The Science Behind Emotions Anwita Karanth, Lucia Alice Pitman Rygaards International School, Denmark	MP62 CONVERGENCE OF FUNCTIONS OF MARKOV CHAINS. APPLICATIONS IN DISCRETE STOCHASTIC MODELS Martin Boyanov Stefanov Sofia High School of Mathematics, Yanko Zabunov Street, Sofia, Bulgaria
11:30 – 11:45	MP25 THE MUSIC OF MATHEMATICS Ava Magdić, Nika Robotić Osnovna škola "Antun Nemčić Gostovinski" Koprivnica, Školska 5, Croatia	SP38 WHAT WILL HAPPEN IF EVERYONE IN THE WORLD WENT TO SLEEP AT THE SAME TIME AND WOKE UP AT THE SAME TIME? Alex Kalaitsidis Mediterranean High School, Larnaca, Cyprus	WS18 (for teachers) EVERY WEEK... MATHS Anita Grguric, Zlatka Miculinic Mance Prva rijecka hrvatska gimnazija, Frana Kurelca 1, Rijeka, Croatia	SP23 DARK ENERGY AND DARK MATTER Areeb Sadath Jan Rygaards International School, Denmark	MP64 GAME THEORY Marko Spyrou International School of Paphos, Paphos, Cyprus
12:10 – 12:30	MP102 APPLIED INTEGRATION: TAKING TOTAL IMPULSE OF THRUST-TIME CURVES FROM ACTUAL SOLID ROCKET MOTORS Harry Amadeo King School, Stamford, CT 06905, USA	SP39 AUTISM SPECTRUM DISORDER Maria Yiasoumi, Destine Akoccu Mediterranean High School, Larnaca, Cyprus	WS18 EVERY WEEK... MATHS	SP24 ORBITAL MECHANICS OF THE MOTION OF PLANETS AROUND THE SUN Rohit Roy Chowdhury Rygaards International School, Denmark	MP63 THE USE OF MATHEMATICS IN (AUTOMATED) TRADING Arian Adeli Koodehi International School of Paphos, Paphos, Cyprus

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Coordinators	Dimitrios Tsintsilidas Dimitrios Konstantinidis	Christos Kitsios Vasileios Makridis	Christina Papadopoulou	Grigoria Iosifidou	Athanasios Kouroupis Grigoris Kopsacheilis
12:30 – 12:45	MP57 SOLVING CRIMES USING MATHEMATICS Anastasia Demetriou, Danae Larcou, Eleni Apostolou American Academy Larnaca, Cyprus	SP40 TELEPORTATION: WHAT IS IT REALLY? Anna Kalaitsidou Mediterranean High School, Larnaca, Cyprus	WS18 EVERY WEEK... MATHS	MP67 TOPOLOGY AND KNOTS Talemwa Nanyange Kyambadde Turku International School, Finland	MP26 THE TITANIC IN NUMBERS Katja Gregurić, Eva Pintar Osnovna škola "Antun Nemčić Gostovinski" Koprivnica, Školska 5, Croatia
12:45 – 13:00	MP58 THE AESTHATIC OF MATH Barbara Zachariou, Poline Haroutounian, Panagiota Mela American Academy Larnaca, Cyprus	SP41 DO YOU WISH YOU HAD A DOLPHIN'S BRAIN? Elli Paphiti International School of Paphos, Paphos, Cyprus	WS21 INNOMATH (Erasmus+ programme) as a catalyst for the STEAME approach Andreas Skotnos, Vice President of CMS	MP68 KNIGHTS AND KNAVES Asen Evgeniev Tonkov, Hristo- Chocho Tsvetanov Vladovski, Deyan Tsvetelinov Minkov 125th SU "Boyan Penev", American College of Sofia, Bulgaria	MP124 THE ANATOMY OF COLOUR Linnea Kärrman, Oskar Vågsäter Polhemskolan, Sweden
13:10 – 14:30	Lunch Break, Place: GRAND BALL Rooms A & B (Level -2) Coupons offered by TopKinisis Travel to those who booked accommodation through them. Additional coupons for sale available at the registration desk				

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Grand Hotel Palace, Thessaloniki, Greece

Place	Olympia B&C (Level 0)	Patoulidou I (Level 0)	Olympiad A (Level 0)	Patoulidou II (Level 0)	Kallipatira (Level +1)
Coordinators	Ioannis Iakovidis Athanasios Koutsopagos	Christos Kitsios Vasileios Makridis	Christina Papadopoulou Grigoria Iosifidou	Athanasios Kouroupis Grigoris Kopsacheilis	Dimitrios Tsintsilidas Dimitrios Konstantinidis
14:30 – 14:45	SP42 A STEM CELL DEBATE Eleni Diogenous International School of Paphos, Paphos, Cyprus	MP69 VISIBILITY OF CONICS Martin Dimitrov, Gergana Peeva, Borislav Stoyanov 125th SU “Boyan Penev”, American College of Sofia, Bulgaria	WS19 (for teachers) MATH TRAILS WITH MATHCITYMAP Amélia C. D. Caldeira, Ana Moura, Polytechnic of Porto, LEMA-ISEP, SYSTEC-ISR, Porto, Portugal	MP74 SUNFLOWERS Eylul Nihat Mediterranean High School, Larnaca, Cyprus	MP79 A NOT SO SECRET TRIANGLE FULL OF SECRETS Andreas Aloneftis, Theodoulos Ttelias, Sotiris Xiouros, Stephanos Zorpas The GC School of Careers, Nicosia, Cyprus
14:45 – 15:00	SP43 BEAUTY COMES FROM WITHIN Salomi Perikleous, Tanya Vinogradova International School of Paphos, Paphos, Cypru	MP46 EVERYTHING IS NUMBER Boffa Annachiara, Ferravante Sara, Fiorito Alessia, Napolitano Swami, Viscio Viglione Livia Liceo Scientifico “G. Rummo” Benevento, Italy	WS19 MATH TRAILS WITH MATHCITYMAP	MP75 BUTTERFLY EFFECT Tuna Ercika, Ioanna Gerolemou, Veronica Camanide, Amalia Chari Mediterranean High School, Larnaca, Cyprus	MP80 BEYOND THE BORDER Rolandi Theodora, Yiallouri Panagiota, Yiorkadji Mary The GC School of Careers, Nicosia, Cyprus
15:00 – 15:15	SP44 FERMI PARADOX Foteini Kioutsouki, Evangelos Neophytou The Grammar School, Nicosia, Cyprus	MP47 CANDY CRUSH'S PUZZLING MATHEMATICS Francesca Pia Fucci, Concetta Guerrera, Francesca Lacerra, Carmela Ciampi, Maria Giulia Boffa, Liceo Scientifico “G. Rummo” Benevento, Italy	WS19 MATH TRAILS WITH MATHCITYMAP	MP76 UNDERSTANDING COMPUTERS THROUGH OUR OWN VIDEO GAME Leonidou Andreas, Theofanous Christos The GC School of Careers, Nicosia, Cyprus	MP106 QUICC MATHS: A GUIDE TO IGCSE REVISION Marios Stavrou, Ioannis Papazacharias, Andreas Constandinides, Kyriakos Hadjimichael, Zacharias Ioannou, English School, Nicosia, Cyprus
15:15 – 15:30	SP45 SCHRÖDINGER'S CAT George Rovantias The Grammar School, Nicosia, Cyprus	MP48 SWINGING MATH Federica D'Agnesse, Serena Pagano , Istituto Statale per l'Istruzione Secondaria “Europa”, Pomigliano d'Arco, Naples, Italy	WS19 MATH TRAILS WITH MATHCITYMAP	MP77 MATHS IN YOUR FACE Michalis Michaelides, Klitos Philippides, Christos Romanos The GC School of Careers, Nicosia, Cyprus	MP82 HOW NOT TO GET AWAY WITH MURDER Bobrova Lisa, Pastella Josephina, Prodromou Carolina , The Senior School, Nicosia, Cyprus

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Place	Olympia B&C (Level 0)	Patoulidou I (Level 0)	Olympiad A (Level 0)	Patoulidou II (Level 0)	Kallipatira (Level +1)
Coordinator	Ioannis Iakovidis Athanasios Koutsopagos	Christos Kitsios Vasileios Makridis	Christina Papadopoulou Grigoria Iosifidou	Athanasios Kouroupis Grigoris Kopsacheilis	Dimitrios Tsintsilidas Dimitrios Konstantinidis
15:30 – 15:45	SP46 VIRTUAL REALITY Theofanis Themistocleous, Nicole Charalambous, Davina Bentley, Marilena Constantinou American Academy Larnaca, Cyprus	MP73 COMPLEX & IMAGINARY NUMBERS William Brander, Aatharva Kawade Rygaards International School, Denmark	WS19 MATH TRAILS WITH MATHCITYMAP	MP78 A MATHEMATICAL BIOGRAPHY OF THE PRICE OF LIGHT Nikolas Markoullis The GC School of Careers, Nicosia, Cyprus	MP83 TICKETS AND BOXES Kaloyan Todorov Fachikov Sofia High School of Mathematics “Paisii Hilendarski” Sofia, Bulgaria
15:45 – 16:00	SP47 PRODUCING RENEWABLE FORM OF ENERGY FROM AGRICULTURAL BIOMASS Kiril Ristevski, Gordana Todorova Yahya Kemal College, Skopje, North Macedonia	SP52 CLEANING UP OIL SPILLS WITH NANOTECHNOLOGY AND MAGNETS Christina Rokana, Artemis Tsopanelis Geitonas School, Sternizes Koropiou, Athens, Greece	WS20 (for students and teachers) EU-MATHS-IN : MATHEMATICS AND INDUSTRY Christophe Prud’homme, EU-MATHS-IN, AMIES, University of Strasbourg, France Andrés Prieto Aneiros, University of A Coruña, Spain	MP88 THE COMMON PROPERTY OF TRIANGLES 2-3-4 AND 3-4-5 Artur Kashnikov Tartu Annelinna Gymnasium Tartu, Estonia	MP84 THIRD DEGREE EQUATIONS Afonso Domingues, Tomás Lôbo Campinos Lycée Français Charles Lepierre, Lisboa, Portugal
16:00 – 16:15	SP48 CONVERSION OF WASTE INTO NON-RETROGRADABLE ECO- FRIENDLY SOLUBILIZING AGENT Rozafa Cana Yahya Kemal College, Skopje, North Macedonia	SP54 GENE THERAPY Bampatsias Stergios, Pantazis Angelos Varvakeion Model Junior High School, Athens, Greece	WS20 EU-MATHS-IN : MATHEMATICS AND INDUSTRY	MP89 AN INTRODUCTION TO COMBINATORICS Konstantinidis Konstantinos, Papadopoulou Aikaterini, Tzartzi Petroula Mandoulides High Schools, Thessaloniki, Greece	MP85 A “BEAUTIFUL MIND” FOR THE CYPRUS PROBLEM Cosma Emelia, Koulermos Isabella, Skordi Iliana The Senior School, Nicosia, Cyprus
16:15 – 16:30	SP49 MACHINE LEARNING AND ARTIFICIAL NEURAL NETWORKS Haris Papadopoulos Delasalle High School, Thessaloniki, Greece	SP59 STRING THEORY- THE POSSIBLE THEORY OF EVERYTHING Melina Bell Geitonas School, Sternizes Koropiou, Athens, Greece	WS20 EU-MATHS-IN : MATHEMATICS AND INDUSTRY	MP90 MATHEMATICS AND NATURAL SELECTION Markou Anna, Christou Panos, Christou Adamos he Archbishop Makarios III Lyceum, Ktima, Paphos, Cyprus	MP86 MATHEMATICS IN SPORTS Felous Filippos, Sapounaki Stella, Stamou Athanasios- Nikolaos, Tsagiannis Georgios The American College of Greece-Pierce, Greece

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Place	Olympia B&C (Level 0)	Patoulidou I (Level 0)	Olympiad A (Level 0)	Patoulidou II (Level 0)	Klalipatira (Level +1)
Coordinator	Ioannis Iakovidis Athanasios Koutsopagos	Christos Kitsios Vasileios Makridis	Christina Papadopoulou Grigoria Iosifidou	Athanasios Kouroupis Grigoris Kopsacheilis	Dimitrios Tsintilidas Dimitrios Konstantinidis
16:30 – 16:45	SP50 MODERATE DEATH Konstantina Efstathiadou, Koralia Karapataki, Chrysovalandia Menicou, Anna Orthodoxou American Academy Larnaca, Cyprus	SP60 WIM HOF METHOD Jošt Lombardo St Stanislav Institution, Gymnasium, Ljubljana, Slovenia	SP76 BACTIRIOPHAGES Dasia Razumova The Senior School, Nicosia, Cyprus	MP91 ETHNOMATHEMATICS Panagiota Papakyriakou The Grammar School, Nicosia, Cyprus	MP87 HOW TO WIN AT SUDOKU Kalleas Spyros, Katsareas Ilias, Mavrias Konstantinos, Peppes George, Politis Sotiris The American College of Greece-Pierce, Greece
16:45 – 17:00	SP55 TRAVELLING WITH TIDES Giorgos Alexandrou, Marcos Phinikarides The GC School of Careers, Nicosia, Cyprus		SP27 YES, CELLS COUNT Federica D'Agnese, Serena Pagano Istituto Statale per l'Istruzione Secondaria "Europa", Pomigliano d'Arco, Naples, Italy		MP92 FIBONACCI SEQUENCE Constantinos-Laertis Andrianos The Grammar School, Nicosia, Cyprus
17:00 – 17:15	SP56 TO EAT OR NOT TO EAT Erato Markantoni, Gregoria Samouti The GC School of Careers, Nicosia, Cyprus		SP77 LIFE AND WORK OF ISAAC NEWTON Zenonos Andreas, Ellinas Pavlos Lyceum A' Ethnarchis Makarios III, Paphos, Cyprus		MP93 MATHEMATICS BEHIND THE GREAT PYRAMID Christiana Katsarou, Eloise Charalambous, Eva Assiotou The Grammar School, Nicosia, Cyprus
17:15 – 17:30	SP57 THE SCIENCE BEHIND SUPERHEROES Georgios Karagiannis, Petros Kyriacou, Stylianos Lois, Stylianos Tamasios The GC School of Careers, Nicosia, Cyprus		SP61 IDENTIFICATION OF MECHANISMS AND FEATURES OF COLOR FORMATION BASED ON THE MEASUREMENT OF THE TRANSMISSION SPECTRUM OF DYES IN WATER SOLUTIONS Maksim Turovski Tartu Annelinna Gymnasium, Tartu, Estonia		MP94 USING MATHS TO SOLVE RUBIK'S CUBE Iosif Elia The Grammar School, Nicosia, Cyprus

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Place	Olympia B&C (Level 0)	Patoulidou I (Level 0)	Olympiad A (Level 0)	Patoulidou II (Level 0)	Klalipatira (Level +1)
Coordinator	Ioannis Iakovidis Athanasios Koutsopagos	Christos Kitsios Vasileios Makridis	Christina Papadopoulou Grigoria Iosifidou	Athanasios Kouroupis Grigoris Kopsacheilis	Dimitrios Tsintilidas Dimitrios Konstantinidis
17:30 – 17:45	SP58 THE POWER OF THE SUBCONSCIOUS MIND Carolina Hadjidemetriou, Dimitris Kassianides The GC School of Careers, Nicosia, Cyprus		SP62 INVESTIGATION OF THE RELATIONSHIP BETWEEN THE COLOR OF AN INCANDESCENT LAMP, THE EMISSION SPECTRUM AND THE FILAMENT'S TEMPERATURE. OR ELSE, WHAT IS THE SURFACE TEMPERATURE OF A STAR? Miltiadis Raptis, Agrippina Margaritou Geitonas School, Sternizes Koropiou, Athens, Greece		MP95 BENFORD'S LAW AND ITS ECONOMIC APPLICATIONS Elisavet Aifanti Varvakeio Model High School of Athens, Greece
17:45 – 18:00					MP96 DAY IN, DAY OUT Andrej Bozic, Luka Kirincic, Luka Zmak Prva rijecka hrvatska gimnazija, Frana Kurelca 1, Rijeka, Croatia
18:00 – 18:15					MP97 MATHEMATICS IN BOHEMIAN RHAPSODY Lucijan Mofardin Prva rijecka hrvatska gimnazija, Frana Kurelca 1, Rijeka, Croatia
18:15 – 18:30					MP98 MATHS AND CRIMINOLOGY Kristia Kouppi, Athina Panayidou, Constantina Stefani, Eliana Gabrielides, Nguyen Ly Thuy Linh, Antigoni Ioannides, Ellie Mountoukou Pascal English School, Lemesos, Cyprus

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Place	Room: Patoulidou I, Patoulidou II	
CoordinatorS	C. Papagiannis, S. Loizias, T. Evagorou, P. Faklmas	
17:00 – 19:30	 MATHFactor and SCIENCEFactor Europe 2020 Competitions – Finals Open to the public	
	Finals MATHFactor Europe 2020 Room Patoulidou I (Level 0)	Finals SCIENCEFactor Europe 2020 Room Patoulidou II (Level 0)
17:00 – 19:30	<u>MATH-FACTOR EUROPE 9-13</u> MFL1, MFL2, MFL3, MFL4, MFL5, MFL6, MFL7, MFL8, MFL9, MFL10, MFL11, MFL12, MFL13, MFL14, MFL15, MFL16, MFL17 <u>SCIENCE-FACTOR EUROPE 9-18</u> SF1, SF2, SF3, SF4, SF5, SF6, SF7, SF8, SF9, SF10, SF11, SF12, SF13, SF14, SF15	<u>MATH-FACTOR EUROPE 14-18</u> MFU1, MFU2, MFU3, MFU4, MFU5, MFU6, MFU7, MFU8, MFU9, MFU10, MFU11, MFU12, MFU13, MFU14, MFU15, MFU16, MFU17, MFU18, MFU19, MFU20, MFU21, MFU22, MFU23, MFU24, MFU25
20:30 – 01:00	Dinner Dance “Mathematics and Science by Night” ... and π Birthday Cake Place: Olympia A , B, C (Level 0) Address: Grand Hotel Palace	

EUROMATH & EUROSCIENCE 2020 – ASTUCON 2020 PROGRAMME

Saturday, 14 March 2020

Grand Hotel Palace, Thessaloniki, Greece

π COMPETITIONS

09:00 - 10:00	European STEAME Communication Competitions for adults (online) (09:00 – 09:30 Room Seros, Level 0)		European Mathematics Journalistic Article Competition “Mathematics is Everywhere” (09:30 – 10:00 Room Kallipatira, Level +1) MJAC1, MJAC2, MJAC3, MJAC4, MJAC5, MJAC6		
Place	Olympia B&C (Level 0)	Patoulidou I (Level 0)	Olympiad A (Level 0)	Patoulidou II (Level 0)	Kallipatira (Level +1)
Coordinators	Ioannis Iakovidis Athanasios Koutsopagos	Athanasios Kouroupis Grigoris Kopsacheilis	Dimitrios Tsintsilidas Dimitrios Konstantinidis	Christina Papadopoulou Grigoria Iosifidou	Christos Kitsios Vasileios Makridis
09:30 – 09:45	MP118 CRACKING A LOCK USING MATHS Natalia Eleftheriou, Despina Vasiliou, The Senior School, Nicosia, Cyprus	MP110 THE MAGIC BEHIND THE NUMBER e Konstantinos Koutoulidis, Foivos Milovanovic, Emmanuel Venios Moraitis School, Athens, Greece			
09:45 – 10:00	MP119 HEXAPAWN – A GAME THAT LEARNS Eva Deftera, Sotiris Efstathiou The Senior School, Nicosia, Cyprus	MP109 THE EULER LINE Daeira Naskari, Katerina Kyriakidi, Natalia Triantafyllou, Elena Alevropoulou, The Moraitis School, Athens, Greece			
10:00 – 10:15	MP120 WHAT MAKES US SPEND MORE IN SUPERMARKETS, AND FEEL GOOD WHILE DOING IT Mehmet Derin Ozser The Senior School, Nicosia, Cyprus	MP111 COMPLEX NUMBERS AND THEIR IMPORTANCE IN EULER’S IDENTITY Natalia Kokoromiti, Giorgos Kosmas, Stergios Birbilopoulos, Ariadni Pilioura The Moraitis School, Athens, Greece	SP63 ELUCIDATING THE MYSTERY OF STARS AND BLACK HOLES Maria Nicolaidis, Kosmas T. Papadopoulou American Academy Larnaca, Cyprus	SP67 ENO-CARPOLOGICAL STUDY OF GEORGIAN VINE SPECIES PROTECTED IN GEORGIA AND EVALUATION OF THEIR ANTIOXIDANT PROPERTIES Luka Kuchukhidze, Maria Lomaia, Elisabed Martiashvili, Lizi Kuprashvili Tbilisi International School, Georgia	

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Place	Olympia B&C (Level 0)	Patoulidou I (Level 0)	Olympiad A (Level 0)	Patoulidou II (Level 0)	Kallipatira (Level +1)
Coordinators	Ioannis Iakovidis Athanasios Koutsopagos	Athanasios Kouroupis Grigoris Kopsacheilis	Dimitrios Tsintilidas Dimitrios Konstantinidis	Christina Papadopoulou Grigoria Iosifidou	Christos Kitsios Vasileios Makridis
10:15 – 10:30	MP121 INFINITY CAN VARY Dasia Razumova The Senior School, Nicosia, Cyprus	MP105 TREE (3) Elias Vadebo, Anton Lundqvist Polhemskolan, Sweden	SP64 DOES TIME EXIST? Tatiana Pelecanou, Demetra Efstathiou, Mary Efstathiadou, Despina Michaelidou American Academy Larnaca, Cyprus		SP68 THE ROBOTS KINGDOM IS NEAR Dimitris Papamiltiades, Nicky Hadjigeorgiou, Antriana Kranidioti, Giannis Marmaras Lyceum A' Ethnarchis Makarios III, Paphos, Cyprus
10:30 – 10:45	MP99 MATHEMATICS BEHIND THE IN ASPENDOS ANCIENT THEATRE ARCHITECTURE Ensar Abdullah Demirbilek, Talha Yunus Demirbilek Ülkü Ortaokulu, Isparta Turkey	MP114 WHAT YOU'LL FIND IN HIGHER DIMENSIONS Tiana Taliotou, Kiriaki Hadjipanayiotou, Anna Maria Hadjipanayiotou, Andreas Hadjitofis, Solwnas Konstantinou The Archbishop Makarios III Lyceum, Paphos, Cyprus	SP65 SPACE EXPLORATION Tarek Abd El-Aziz Yahya Kemal College, Skopje, North Macedonia	WS17 (for students by pre- registration) MATH-Triathlon Kostis Andriopoulos, The Moraitis School, Athens, Greece Nikos Papadopoulos, The Senior School, Nicosia, Cyprus	SP70 PLASTIC POLLUTION: WHAT IS NEXT? Alberto Mparkis, Sotiris Panagakis, Christina Papaefthimiou, Marios Pantazopoulos Nea Genia Ziridis, Athens, Greece
10:45 – 11:00	MP103 THE LOGIC BEHIND QUATERNIONS Konstantinos Leontiadis, Odiseas Nikolaos Mpalis Varvakeio Model High School of Athens, Greece	SP72 TIME IS RELEVANT OR ISN'T IT? Elena Mantzouka Nea Genia Ziridis, Athens, Greece	SP66 SPACE AND PLANETS Melina Iacovou, Loukia Stavrou American Academy Larnaca, Cyprus	WS17 MATH-Triathlon	SP75 HOW TO YOU FUND YOUR GENES? Arian Adeli Koodehi International School of Paphos, Paphos, Cyprus

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Coordinators	Ioannis Iakovidis Athanasios Koutsopagos	Athanasios Kouroupis Grigoris Kopsacheilis	Dimitrios Tsintsilidas Dimitrios Konstantinidis	Christina Papadopoulou Grigoria Iosifidou	Christos Kitsios Vasileios Makridis
11:00 – 11:15	MP100 INFINITY Enzo Caldas, Martim Carvalho, Guilherme Terça Lycée Français Charles Lepierre, Lisboa, Portugal	SP71 GYROSCOPIC ROTATION Kyriakos Dodson, Oliver Williams, Joshua Bryans, Parisinos Cavaye International School of Paphos, Paphos, Cyprus	MP112 CRYPTOGRAPHY USING MATHS Joseph Modestos Modestou International School of Paphos, Paphos, Cyprus	WS17 MATH-Triathlon	SP83 FOOTBALL MATHEMATICS AND PHYSICS Bruna Plese Prva rijecka hrvatska gimnazija, Frana Kurelca 1, Rijeka, Croatia
11:15 – 11:30	MP104 DECODING MATHEMATICAL PATTERNS IN PLANTS Talha Yunus Demirbilek, Ensar Abdullah Demirbilek Ülkü Ortaokulu, Isparta Turkey	SP73 ROBOTS TAKE CONTROL Danai Fragki Nea Genia Ziridis, Athens, Greece	MP115 CLIMATE CHANGE CONTROL THROUGH GAME THEORY Economou Kyriaki, Kyriacou Semeli, Christodoulou Eleftheria Lyceum A' Ethnarchis Makarios III Pafos, Cyprus	WS17 MATH-Triathlon	SP79 THE WEIRDEST PHYSICAL PHENOMENA Marilena Alexandrou, Anna Andreou, Kyriaki Neofytou, Artemis Katsonouri, Natalia Constantinou Lyceum A' Ethnarchis Makarios III, Paphos, Cyprus
11:30 – 11:45	MP107 HISTORY OF MATH Rosa Gustavo, Goual Adam Lycée Français Charles Lepierre, Lisboa, Portugal	SP80 A MATHS PILL Amoriello Pietro, Bovino Stefania, Iannella Alessia Liceo Scientifico "G. Rummo" Benevento, Italy	MP122 MATH IN OUR LIFE Vasilis Papaioannou IE' Agios Neophytos School- Kato Polemidia, Lemesos, Cyprus	WS17 MATH-Triathlon	SP82 THE BOTTLE FLIP Shana-Maria Gossoub, Daria Khudobiak, Ceren Semiye, Noa Alessia Phil, Naomi Gonzaga Gerber, Olga Georgiou, Caelan Jackson Byrne Grade 6 Med Junior School, Larnaca, Cyprus

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Coordinators	Ioannis Iakovidis Athanasios Koutsopagos	Athanasios Kouroupis Grigoris Kopsacheilis	Dimitrios Tsintsilidas Dimitrios Konstantinidis	Christina Papadopoulou Grigoria Iosifidou	Christos Kitsios Vasileios Makridis
11:45 – 12:00	MP108 THE MATHS OF SPORTS OR AT LEAST OF SPORT BETTINGS Botond Fehér Turku International School, Finland	SP78 THE WORLD THROUGH THE EYES OF AN ANIMAL Anna Panagiotou Lyceum A' Ethnarchis Makarios III, Paphos, Cyprus	MP123 PYTHAGORAS Alexandros Papageorgiou, Polydoros Sotiriou Lyceum A' Ethnarchis Makarios III Pafos, Cyprus	WS17 MATH-Triathlon	
12:00 – 12:15	MP81 WOMEN COUNT: TIME FOR CHANGE Marion Kokkinou Kykkos A Lyceum, Nicosia, Cyprus	SP81 STARS, EMBRYOS, AND THE UNITING POWER OF ALGORITHMS Janat Derawi, Noor Farid Mediterranean High School, Larnaca, Cyprus	MP113 PROBABILITY Dina Novikova, Jessica Vikersjo, Daria Kyrlyova, Olga Machowska International School of Paphos, Paphos, Cyprus	WS17 MATH-Triathlon	
12:15 – 12:30	MP117 DESIGN AND CONSTRUCTION OF 3D PRINTER Romanos Gkougkoulis Supervisors: Lina Chachali, Eirini Siotou Nea Genia Ziridis, Athens, Greece	SP74 RENEWABLE RESOURCES OR PLANET DISASTER? Georgios Chrysou, Daniela Felouri Nea Genia Ziridis, Athens, Greece	MP116 ETHNOMATHEMATICS Ismeni Anagnostou, Stella Dimitriou, Danai Fragki, Sophia Gkourogianni, Alexia Zafeiriou Nea Genia Ziridis, Athens, Greece	WS17 MATH-Triathlon	

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Saturday, 14 March 2020					
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Place	Olympia B&C (Level 0)	Patoulidou I (Level 0)	Olympiad A (Level 0)	Patoulidou II (Level 0)	Kallipatira (Level +1)
Coordinators	Ioannis Iakovidis Athanasios Koutsopagos	Athanasios Kouroupis Grigoris Kopsacheilis	Dimitrios Tsintsilidas Dimitrios Konstantinidis	Christina Papadopoulou Grigoria Iosifidou	Christos Kitsios Vasileios Makridis
12:30 – 12:45	MP125 MATH DETECTIVE Alexander Angeli, Giorgia Guarnieri, Dino Marinelli, Valentina Mocatti, Elena Pangrazzi, Giulia Parma Zappini, Anastasia Timis, Maria Chiara Vicentini, Marzia Zanon Istituto Comprensivo Di Scuola Primaria e Secondaria Bassa Val Di Sole, Italy	SP85 STOMACH ULCER Eftychios Malialis, Michalis Panagiotou, Yiangos Michael, Petros Petrou, Prodromos Xrisostomou Lyceum A' Ethnarchis Makarios III, Paphos, Cyprus		WS17 MATH-Triathlon	
12:45 – 13:00				WS17 MATH-Triathlon	
13:00 – 14:15	Lunch Break, Place: GRAND BALL Rooms A & B (Level -2) Coupons offered by TopKinisis Travel to those who booked accommodation through them. Additional coupons for sale available at the registration desk				

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MATH & SCIENCE Theatre Europe 2020 Competition – Finals (Olympia A&B)

Open to the public

Coordinators	C. Papagiannis, S. Loizias, T. Evagorou, P. Faklmas	
14:30 – 16:30	<u>MATH-SCIENCE THEATRE (Olympiad A&B , Level 0)</u> MST1 , MST2 , MST3 , MST4 , MST5 , MST6, MST7, MST8	
16:30 – 17:00	Celebration of the day of π – Activity in front of the entrance of the hotel (all students and their teachers) –be there WITH YOUR π HATS	
17:00 – 17:30	JUICE BREAK (Olympia A, B, C)	
	AWARDS CEREMONY (Olympia A, B & C, Level 0)	
Coordinator	C. Papagiannis, S. Loizias, T. Evagorou, P. Faklmas, A. Charalambous, L. Makrides, G. Alexadrou	
17:30 – 19:00	Results of MATH & SCIENCE Poster Design 2020 Competition Results of MATH & SCIENCE Theatre Europe 2020 Results of MATHFactor Europe 2020 Results of SCIENCEFactor Europe 2020 Results of MATHPresentation 2020 Competition Results SCIENCEPresentation 2020 Competition Results of European Mathematics Journalistic Article Competition Results of European STEAME Communication Competition for adults Results for MATH-Triathlon Competition Results of most active student participation in EUROMATH & EUROSCIENCE 2020 Other awards	
Sunday, 15 March 2020		
All day	Departures	