

## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

<b>Wednesday, 13 March 2019</b> MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus					
<b>All day</b>	<b>Arrivals</b>				
<b>14.00 – 19.00</b>	<b>REGISTRATION</b> MULTIFUNCTIONAL CONFERENCE CENTRE Arion Bar Area		<b>Registration</b> for Conference participants and Competition Finalists MATH & SCIENCE Poster Design Competition - Submission of printed poster designs		
<b>09:30 – 17:00</b>	12-16 March 2019 Room POSEIDON		<b>ERASMUS+ KA1 COURSE MATH-GAMES</b> 12-16 March 2019, Room POSEIDON (Level +1)		
<b>19:00 – 20:00</b>	<b>EUROMATH Advisory Board Meeting</b> By invitation only Location: ERMIS Room (Level +1)		<b>POSTER DESIGN EXHIBITION AREA</b> Arion Bar Exhibition Space		
<b>Thursday, 14 March 2019</b> MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus					
<b>08.30 +</b>	<b>REGISTRATIONS (MULTIFUNCTIONAL CONFERENCE CENTRE: Arion Bar area):</b> For Conference participants and Competition finalists <b>MATH &amp; SCIENCE Poster COMPETITION</b> Submission of printed poster design				
<b>Place</b>	<b>Aphrodite Hall (Level 0)</b>	<b>Pantheon Ball Room A (Level -1)</b>	<b>Adonis (Level +1)</b>	<b>Zeus (Level +1)</b>	<b>Artemis (Level 0)</b>
<b>Coordinators</b>	<b>D. Symeou</b>	<b>A. Savvides</b>	<b>E. Gazis, M. Furkes</b>	<b>M. Grasic, R. Schneidt</b>	<b>A. Skotinos</b>
09:20 – 09:40	MP1 <b>FINITE ABOUT INFINITY</b> Dunja Galinec, Martin Unger Gimnazija “Fran Galovic” Koprivnica, Croatia	MP48 <b>HOUSE MARKET PREDICTION POST MARS COLONIZATION</b> Achnioti Myrto, Fidawi Jad, Kybritis Yiannis, Saad Roy St Catherine’s British School, Athens, Greece	WS1 <b>ELEMENTARY PARTICLE PHYSICS AT CERN</b> Professor Evangelos Gazis National Technical University of Athens, CERN	WS5 <b>METAMORPHOSIS OF MATHEMATICAL ASSIGNMENTS</b> Mara Grasic, Osnovna Skola “Braca Radic”, Croatia Ksenija Varovic, Osnovna Skola Fran Koncelak Drnje, Croatia	SP3 <b>HYPOTHETICAL LIFE ON THE PLANET GLIESE 1214B</b> Veronica Parakhin, Sofia Baldisserotto International School of Moscow, Russia

# EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Thursday, 14 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

Place	Aphrodite (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>D. Symeou</b>	<b>A. Savvides</b>	<b>E. Gazis, M. Furkes</b>	<b>M. Grasic, R. Schneidt</b>	<b>A. Skotinos</b>
09:40 – 10:00	MP2 <b>FRACTALS AND NATURE</b> Leonarda Jurendic Gimnazija “Fran Galovic” Koprivnica, Croatia	MP49 <b>MATHEMATICS AND SPACE</b> Panteleimon Tassopoulos, Ioannis Angelo-Tassioulas, Nikolaos Pollalis, George Pavlakis St. Catherine’s British School, Athens, Greece	WS1 <b>ELEMENTARY PARTICLE PHYSICS AT CERN</b>	WS5 <b>METAMORPHOSIS OF MATHEMATICAL ASSIGNMENTS</b>	SP4 <b>NEUROLOGICAL DISEASES OF MANKIND AND ANIMALS: AN INSIGHT TO THE SOLUTION OF THE UNSOLVED</b> Seonhu Jeon, Tahee Strein International School of Moscow, Russia
10:00 – 10:20	MP3 <b>HOW HAS MATH SHAPED ASTRONOMY?</b> Marta Kunstic Gimnazija “Fran Galovic” Koprivnica, Croatia	MP51 <b>CONTINUED FRACTIONS</b> Ivayla Ivaylova Radkova 125th SU “Boyan Penev”, Bulgaria	WS4 <b>ESCAPE ROOM</b> Marina Furkes, Bojana Habek Gimnazija “Fran Galovic” Koprivnica, Croatia	WS10 <b>THE MATH-GAMES METHODOLOGY: HOW TO LEARN THE BASICS OF MATHEMATICS BY PLAYING GAMES?</b> Roland Schneidt Volkshochschule Schrobenhausen, German	SP5 <b>THE EFFECT OF RADON AND RADIOACTIVITY</b> Lambros Lamprianou The Senior School, Cyprus
10:20 – 10:40	MP4 <b>MATHEMATICS IN MOVIES</b> Jakov Dolenc Gimnazija “Fran Galovic” Koprivnica, Croatia	MP52 <b>TYPES OF SPACES AND TRANSFORMATIONS BETWEEN THEM</b> Teodora Vasileva 125th SU “Boyan Penev”, Bulgaria	WS4 <b>ESCAPE ROOM</b>	WS10 <b>THE MATH-GAMES METHODOLOGY: HOW TO LEARN THE BASICS OF MATHEMATICS BY PLAYING GAMES?</b>	SP6 <b>THE REGENERATION OF NEURONS</b> Jirovianu Nicolae Alexandru, Iordache Laurentiu The National College Elena Cuza, Romania
10:40 – 11:00	MP5 <b>WOMEN IN MATHEMATICS</b> Mirta Strbad, Irina Vuckovic Gimnazija “Fran Galovic” Koprivnica, Croatia	MP53 <b>CRACKING THE JOSEPHUS PROBLEM</b> Seva-Mei Anagnostou, Jason Bonas, Zoe Kountouri, Ioanna Tsoktouridi, Marina Fragkouli The Moraitis School, Greece	WS4 <b>ESCAPE ROOM</b>	WS10 <b>THE MATH-GAMES METHODOLOGY: HOW TO LEARN THE BASICS OF MATHEMATICS BY PLAYING GAMES?</b>	SP7 <b>DRIVING ON A RAINY DAY</b> D3SPatis Kalali Forum Private Greek School, Cyprus
<b>11:00 - 11:10</b>	<b>JUICE BREAK (Arion Bar)</b>				

## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Thursday, 14 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

Place	Aphrodite (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>A. Skotinos</b>	<b>A. Savvides</b>	<b>N. Savva, B. Deregowska</b>	<b>E. Gazis,</b>	<b>C. Skotinou</b>
11:10 – 11:30	MP38 <b>MATHEMATICS AND LIFE</b> George Savva, Nearchos Miltiadous, Charis Chari, Ioannis Petevinos Regional Gymnasium of Nicosia in Malounta, Cyprus	MP6 <b>MATHEMATIC IN ART</b> Ella Vrabelj Osnovna skola "Braca Radic", Croatia	WS14 <b>MAKE YOUR OWN PH INDICATOR AT HOME!</b> Natasa Savva, Viviana Petinou International School of Paphos, Cyprus	<b>ASTUCON-WORKSHOP1</b> <b>TECHNOLOGICAL ACHIEVEMENTS FOR THE FUTURE ACCELERATORS AT CERN</b> Professor Evangelos Gazis, National Technical University of Athens, CERN	SP9 <b>EVOLUTION</b> Ksenia Dovydenko TLC Private School, Cyprus
11:30 – 11:50	MP56 <b>MATH AND PHYSICS IN BILLIARDS (POOL)</b> Dimitar Lazarov 125th SU "Boyan Penev", Bulgaria	MP7 <b>MATHEMATICS AND THEATRE</b> Ema Vinkovic, Petra Habdija Osnovna skola "Braca Radic", Croatia	WS14 <b>MAKE YOUR OWN PH INDICATOR AT HOME!</b>	<b>ASTUCON-WORKSHOP1</b> <b>TECHNOLOGICAL ACHIEVEMENTS FOR THE FUTURE ACCELERATORS AT CERN</b>	MP24 <b>MATRICE AND TRANSPORTATION</b> Narges Tooshe, Seyedehsarah Mojahedalmousavi, Hasti Bagheri High School Farzanegan, Iran
11:50 – 12:10	MP57 <b>CONICS AS LOCI AND ENVELOPES</b> Martin Dimitrov, Gergana Peeva, Borislav Stoyanov 125th SU "Boyan Penev", Bulgaria	MP8 <b>MATHS AND BICYCLING</b> Fran Filipovic Osnovna skola "Braca Radic", Croatia	WS11 <b>ON LINE ARRANGEMENTS AND THEIR PROPERTIES</b> Baeta Deregowska Pedagogical University of Cracow, Poland	<b>ASTUCON-WORKSHOP2</b> <b>CERN LAB</b> Professor Evangelos Gazis, National Technical University of Athens, CERN	MP26 <b>GEOMETRICAL STRUCTURE OF BAGPIPE FROM VIEWPOINT OF MATHEMATICAL IN MUSIC VISION</b> Parnian Shojaei, PArmida Azizi, Ava Ilami High School Farzanegan, Iran
12:10 – 12:30	MP70 <b>SOROBAN &amp; ANZAN - THE SECRET OF MENTAL MATH WITH THE JAPANESE ABACUS</b> Noah Newton Obermair Austria	MP9 <b>MATHEMATICS IN PROGRAMMING</b> Fran Vlahovic Osnovna skola "Braca Radic", Croatia	WS11 <b>ON LINE ARRANGEMENTS AND THEIR PROPERTIES</b> Baeta Deregowska Pedagogical University of Cracow, Poland	<b>ASTUCON-WORKSHOP2</b> <b>CERN LAB</b>	MP59 <b>TINDER STARTER GUIDE</b> Antonia Asimakopoulou, Alexandros Contomichalos, Vicky Deligianni, Angela Pilioura, Nikos Skouloudis The Moraitis School, Greece

## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Thursday, 14 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>A. Skotinos</b>	<b>A. Savvides</b>	<b>S. Grozdev</b>	<b>E. Gazis</b>	<b>C. Skotinou</b>
12:30 – 12:50	MP74 <b>MATHEMATICS IN CRYPTOGRAPHY</b> Nickolas Farmakis American Academy Nicosia, Cyprus	MP10 <b>COOKING WITH A LITTLE HELP OF MATHS</b> Josip Mikulic Osnovna skola "Braca Radic", Croatia	WS6 <b>DIVISIBILITY OF NUMBERS</b> Sava Grozdev VUZF University, Bulgaria	<b>ASTUCON-WORKSHOP2 CERN LAB</b>	MP60 <b>THE CONFIDENT GAMBLERS</b> Ara Artinian, Christopher Moulakis The Moraitis School, Greece
12:50 – 13:10	MP75 <b>MATHEMATICS BEHIND THE ATOMIC BOMB- SUMMARY</b> Danae Petrides, Nadine Al Asmar The Senior School, Cyprus	MP61 <b>THE FIBONACCI SEQUENCE</b> Astrid Hofwander, Engla Sundstrom Polhemskolan, Sweden	WS6 <b>DIVISIBILITY OF NUMBERS</b>	SP8 <b>TACHYONS</b> Mohammad Zolfkhani Shahid Beheshti, Iran	MP62 <b>BEAT THE BLACKJACK DEALER</b> Anna Prodromou, Kyprianos Kythreotis The Grammar School, Nicosia
<b>13:10 – 14:15</b>	<b>Lunch Break, Place: MULTIFUNCTIONAL CONFERENCE CENTRE - Pantheon Restaurant (Level -1)</b> Coupons offered by TopKinisis Travel to those who booked accommodation through them. Additional coupons for sale available at the registration desk				
Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>K. Andriopoulos</b>	<b>T. Evagorou</b>	<b>C. Polycarpou</b>	<b>N. Anastasiou</b>	<b>S. Eracleous</b>
14:20 – 14:40	MP76 <b>DANCE AND MATHEMATICS / UNIVERSAL LANGUAGE (OF DANCE)</b> Mia Cimas Prva rijecka hrvatska gimnazija, Croatia	MP71 <b>LEARNING MATHEMATICS FROM ANTS</b> Patrik Aleksic, Patricia Baros Prva Rijecka Hrvatska Gimnazija, Croatia	WS12 <b>CHEMISTRY OF CLIMATE</b> Claire Polycarpou International School of Paphos, Cyprus	<b>ASTUCON-WORKSHOP3 HEALTH AND SAFETY, LUXURY OR A NECESSITY</b> Nikos Anastasiou Leptos group, Cyprus	MP63 <b>SHOULD WE TRUST OUR COMMON SENSE?</b> Maria Papageorgiou, Chrysovalanto Grigoriou, Athina Strati The Grammar School, Nicosia

## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Thursday, 14 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>K. Andriopoulos</b>	<b>T. Evagorou</b>	<b>N. Gregoric</b>	<b>N. Anastasiou</b>	<b>S. Eracleous</b>
14:40 – 15:00	MP77 <b>3D MODELLING</b> Constantinos Hadjigregoriades The GC School of Careers, Nicosia, Cyprus	MP72 <b>THE MATHEMATICS BEHIND THE GAME OF “ROCK-PAPER- SCISSORS”</b> Natali Marinkovic Prva Rijecka Hrvatska Gimnazija, Croatia	WS12 <b>CHEMISTRY OF CLIMATE</b>	<b>ASTUCON-WORKSHOP3 HEALTH AND SAFETY, LUXURY OR A NECESSITY</b>	MP64 <b>WHEN PAPER MET MY FINGERS</b> Marianna Vassiliou, Evanthis Vacanas, Sotiris Vacanas The Grammar School, Nicosia
15:00 – 15:20	MP78 <b>FROM THE TOP TO THE DROP</b> Constantina Shiacola, Eva Antoniadi, Marios Christoforou, Orestis Savvides The GC School of Careers, Nicosia, Cyprus	MP73 <b>HOW TO WIN IN PAC-MAN</b> Andrej Bozic, Luka Zmak Prva Rijecka Hrvatska Gimnazija, Croatia	MP96 <b>HOW TO BECOME A NATIONAL CHAMPION IN CYCLING BY USING MATHEMATICS?</b> Natan Gregoric St Stanislav Institution, Slovenia	<b>ASTUCON-WORKSHOP3 HEALTH AND SAFETY, LUXURY OR A NECESSITY</b>	MP65 <b>DEDUCTIVE DATABASE APPROACH TO AUTOMATED GEOMETRY THEOREM PROVING AND DISCOVERING WITH JAVA GEOMETRY EXPERT</b> Kostas Georgios-Alexandros, Bampatsias Panagiotis Varvakeion Model High School, Greece
15:20 – 15:40			MP97 <b>INVITATION TO PERMUTATIONS</b> Krzysztof Kotarski, Szymon Nowak, Filip Zieliński, Dawid Zuk Zespol Szkolno-Przedszkolny w Zabierzowie, Poland	MP34 <b>BEATING WORLD RECORDS USING MATHEMATICS</b> Lucia Hosein International School of Moscow, Russia	MP66 <b>LINEARIZATION</b> Yavor Georgiev 125th SU “Boyan Penev”, Bulgaria

# EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Thursday, 14 March 2019**

MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus

## Opening Ceremony

**EUROMATH and EUROSCIENCE 2019 Conference and ASTUCON 2019**  
**Room: MULTIFUNCTIONAL CONFERENCE CENTRE, Aphrodite Hall (Level 0)**  
**(Read detailed programme in the booklet)**

16:00 – 18:30

18:30 – 19:30

**RECEPTION OFFERED BY THE MUNICIPALITY OF PAPHOS**  
**Place: PANTHEON BALL ROOMS A & B (Level -1)**

### COMPETITION REHEARSALS

Coordinator

C. Papagiannis, S. Loizias, L. Makrides

19:30 – 21:00

**(Reserve your wish for using the stage for rehearsal for the competitions below by sending an email to [info@euromath.org](mailto:info@euromath.org) (indicate name and competition)**

**MATH and SCIENCE Theatre Europe Competition – Rehearsals (Aphrodite Hall, Level 0)**

**MATHFactor Europe Competition – Rehearsals (Adonis , Level +1)**

**SCIENCE-Factor Europe Competition - Rehearsals (Zeus, Level +1)**

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

# EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Friday, 15 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

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

Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>D. Symeou</b>	<b>A. Savvides</b>	<b>D. Demetriou, E. Gazis</b>	<b>A. Ignatiou, M. Dimitropoulos</b>	<b>A. Skotinos</b>
09:00 – 09:20	MP102 <b>THE MATHEMATICS ON GAMBLING</b> Andreas Psaltis, Andreas Michael, The English School of Nicosia, Cyprus	MP11 <b>MATHEMATICS AND GEOMETRICAL PATTERNS</b> Lara Vukovic, Tara Sambar Osnovna skola "Braca Radic", Croatia	WS13 <b>"MAGIC FREQUENCIES" OR "SEEING SOUND"</b> Despina Demetriou, Andrea Hadjialexandrou International School of Paphos, Cyprus	WS15 <b>SHOEBOX HABITAT</b> Antonis Ignatiou International School of Paphos, Cyprus	<b>ASTUCON Presentation 1</b> <b>DEVELOPING DYNAMIC CAPABILITIES IN PUBLIC SECTOR ORGANIZATIONS</b> Tharwat Jaber Frederick University, Cyprus
09:20 – 09:40	MP79 <b>IT IS A GAMBLING PROBLEM ONLY IF YOU ARE LOSING!</b> Stephanos Arsalides, Georgios Halios, Maria Selinopoulou, Kyriakos Tenedios. The GC School of Careers, Nicosia, Cyprus	MP12 <b>MATHEMATICS AND CROATIAN FOOTBALL TEAM</b> Lorena Siroki Osnovna skola "Braca Radic", Croatia	WS13 <b>'MAGIC FREQUENCIES' OR 'SEEING SOUND'</b>	WS15 <b>SHOEBOX HABITAT</b>	<b>ASTUCON Presentation 3</b> <b>WAYS OF MANAGING GOVERNMENTAL BUREAUCRACY: AN EMPIRICAL PERSPECTIVE</b> Timotheos Dimitriou Neapolis University Pafos, Cyprus
09:40 – 10:00	MP80 <b>TOGETHER WE WILL BEAT CANCER</b> Nayia Aza The GC School of Careers, Nicosia, Cyprus	MP13 <b>APPLICATION OF MATHEMATICS IN ANATOMY OF HUMAN BODY</b> Lovro Priselec, Ivan Sinjeri Osnovna skola "Braca Radic", Croatia	WS2 <b>MEDICAL APPLICATIONS BY NUCLEAR &amp; ELEMENTARY PARTICLE PHYSICS</b> Professor Evangelos Gazis National Technical University of Athens, CERN	WS20 <b>THE MAGIC OF SCIENCE</b> Dimitropoulos Manolis, Kopaila Hliana, Gerovasiliou Antonia Diastaseis Private School, Greece	<b>ASTUCON Presentation 4</b> <b>LEARNING STYLES QUESTIONNAIRE PRIOR AND AFTER IMPLEMENTATION OF HYBRID PBL</b> Kyriacou Andria-Anna, Nicolaou Stella A. University of Nicosia, Cyprus

# EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Friday, 15 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>D. Symeou</b>	<b>A. Savvides</b>	<b>G. Spyrou</b>	<b>G. Keliris</b>	<b>A. Skotinos</b>
10:00 – 10:20	MP81 <b>THE MATHEMATICS IN BEAUTY AND ATTRACTION</b> Jana Gad Rygaards International School, Denmark	MP14 <b>MATHEMATICS IN GOLA</b> Marija Svegovic Osnovna skola "Braca Radic", Croatia	WS2 <b>MEDICAL APPLICATIONS BY NUCLEAR &amp; ELEMENTARY PARTICLE PHYSICS</b>	WS20 <b>THE MAGIC OF SCIENCE</b>	<b>ASTUCON Presentation 5</b> <b>EXPECTATIONS AND RESULTS OF COMPANIES IN PRACTICAL BUSINESS PROJECT</b> Inri Sumitra Dewi Saxion University of Applied Science, Netherlands
10:20 – 10:40	MP84 <b>UNLIMITED CAPABILITIES: A REPORT ON VARIOUS SUBTYPES OF ARTIFICIAL INTELLIGENCE</b> Philippos Ganos, Antonios Panagakos, Alexios Papadopoulos, Christos Petropoulos The American College of Greece-Pierce, Greece	MP15 <b>APPLICATIONS OF MATHEMATICS TO ECONOMICS</b> Matija Simek Osnovna skola "Braca Radic", Croatia	<b>CING Bioinformatics Symposium CS1</b> <b>BIOLOGY IN NUMBERS</b> Andrea Kakouri, Maria Zanti Bioinformatics ERA Chair, The Cyprus Institute of Neurology & Genetics, Cyprus	WS18 <b>EXPERIMENTAL AND HANDS-ON ACTIVITIES BY ENGINE® USING THE PRODUINO™ CONTROLLER</b> George Keliris, Xenia Giannakou Engino, Cyprus	<b>ASTUCON Presentation 6</b> <b>MODERN APPROACHES FOR PRESERVATION OF CULTURAL AND HISTORICAL HERITAGE</b> Eva Tsenkova Simona Dusheva State University of Library and Information Technologies, Bulgaria
10:40 – 11:00	MP86 <b>EUCLIDIAN VS NON EUCLIDIAN GEOMETRY: IS GEOMETRY ONE SIDED?</b> Anastasia Efraimoglou, Eleni Fouka, Evridiki Koletsou, Victoria Martin Veneti, Eirini Sigalou, Nikitas Stathopoulos The American College of Greece-Pierce, Greece	SP1 <b>PHYSICS AND ARCHITECTURE – HOW AND WHY?</b> Ana Marija Habdija, Kaja Sertic Gimnazija "Fran Galovic" Koprivnica, Croatia	<b>CING Bioinformatics Symposium CS2</b> <b>MEDICINE IN NUMBERS</b> Christiana Christodoulou, Kyriaki Savva Bioinformatics ERA Chair, The Cyprus Institute of Neurology & Genetics, Cyprus	WS18 <b>EXPERIMENTAL AND HANDS-ON ACTIVITIES BY ENGINE® USING THE PRODUINO™ CONTROLLER</b>	<b>ASTUCON Presentation 7</b> <b>CROWDFUNDING AS A NEW FUNDING SOURCE: ITS POTENTIAL AND FACTORS DETERMINING SUCCESS</b> Anna D, Anyfantaki, Frederick University, Cyprus
<b>11:00 – 11:10</b>	<b>JUICE BREAK (Arion Bar)</b>				



## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Friday, 15 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>D. Symeou</b>	<b>A. Savvides</b>	<b>G. Spyrou</b>	<b>S Grozdev</b>	<b>A. Skotinos</b>
11:10 – 11:30	MP58 <b>3 6 9 THEORY OF NIKOLA TESLA</b> George Toumbas, Notis Tzionis American Academy Larnaca, Cyprus	SP2 <b>SCIENGICIAN</b> Andrija Njers Gimnazija “Fran Galovic” Koprivnica, Croatia	<b>CING Bioinformatics Symposium CS3 MATHEMATICAL MODELING OF THE BRAIN</b> Margarita Zachariou Bioinformatics ERA Chair, The Cyprus Institute of Neurology & Genetics, Cyprus	WS3 <b>FUNECOLE® DEVELOPING THE WHOLE CHILD</b> Chryso Christodoulou, Digipro Education Limited, Cyprus	<b>ASTUCON Presentation 8 ANALYSIS AND RECONSTRUCTION OF REAL CAR ACCIDENTS WITH THE AID OF PC-CRASH SOFTWARE</b> Matthew K. Alpas, Frederick University, Cyprus
11:30 – 11:50	MP67 <b>WHEN MATHEMATICS MEETS FASHION</b> Marina Leonida, Orthodoxia Georgiou American Academy Larnaca, Cyprus	SP13 <b>THE SUN AS A SOURCE OF ENERGY AND THE MEASUREMENT OF THE SOLAR CONSTANT</b> Andreas Georgopoulos Geitonas School, Greece	<b>CING Bioinformatics Symposium CS4 BIG DATA OMICS ANALYTICS</b> Anastasis Oulas Bioinformatics ERA Chair, The Cyprus Institute of Neurology & Genetics, Cyprus	WS3 <b>FUNECOLE® DEVELOPING THE WHOLE CHILD</b>	<b>ASTUCON Presentation 9 RENDERING SOUR INTO SWEET NATURAL GAS</b> Panayiota Argyrou, Constantinos Hadjistassou University of Nicosia, Cyprus
11:50 – 12:10	MP68 <b>MATHS IN BEAUTY</b> Eleni Apostolou, Georgia Haili, Myrofora Markidou American Academy Larnaca, Cyprus	SP14 <b>CARBON DIOXIDE CAN SAVE THE WATER</b> Bojana Marojevikj, Marija Stojcheva Yahya Kemal College Skopje, North Macedonia	<b>CING Bioinformatics Symposium CS5 COMPUTATIONAL INTELLIGENCE IN BIOMEDICINE</b> George Minadakis Bioinformatics ERA Chair, The Cyprus Institute of Neurology & Genetics, Cyprus	WS3 <b>FUNECOLE® DEVELOPING THE WHOLE CHILD</b>	<b>ASTUCON Presentation 10 UN-ILLUMINABLE ROOMS AND THEIR APPLICATIONS</b> Panagiotis Antoniou, European University Cyprus
12:10 – 12:30	MP69 <b>JUST BEFORE SLEEPING</b> Prokopis Georgiou American Academy Larnaca, Cyprus	SP15 <b>MATHS IN THE TENTH DIMENSION</b> George Raftis The Grammar School, Nicosia	<b>CING Bioinformatics Symposium CS6 GRAPH THEORY BEHIND BIOMEDICAL NETWORKS</b> George Spyrou Bioinformatics ERA Chair, The Cyprus Institute of Neurology & Genetics, Cyprus	WS7 <b>PRIME NUMBERS</b> Sava Grozdev VUZF University, Bulgaria	<b>ASTUCON Presentation 11 DESIGN AND CONSTRUCTION OF A TENSION LEG PLATFORM FOR WAVE AND WIND EXPLOITATION</b> M. P. Charalambous, Naval Architecture Department, University of West Attica, T. P. Mazarakos, One Tech Services LTD, Cyprus

## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Friday, 15 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>D. Symeou</b>	<b>A. Savvides</b>	<b>G. Spyrou</b>	<b>C. Christodoulou</b>	<b>A. Skotinos</b>
12:30 – 12:50	MP82 <b>THE REAL WORLD OF IMAGINARY NUMBERS</b> Barouchas Harry, Stratis Kounalakis, Moschonas Gerasimos, Xenikakis Nickolaos-Rafael, Papadopoulou Nikolaos, Evgenia Skagkou Zanneio Experimental Lyceum of Piraeus, Greece	SP18 <b>CAN IT BOUNCE</b> Owen Pritchard TLC Private School, Cyprus	CING Bioinformatics Symposium CS7 <b>THE MATHEMATICAL BASIS OF BIOINFORMATICS: ROUND TABLE DISCUSSION AND Q/A</b>	WS7 <b>PRIME NUMBERS</b>	SP12 <b>PROPLIS AGAINST CANCER</b> Nadia Bakhshi Nemone Dolati-e- Shohada, Iran
<b>13:00 – 14:15</b>	<b>Lunch Break, Place: MULTIFUNCTIONAL CONFERENCE CENTRE – Pantheon Restaurant (Level -1)</b> Coupons offered by TopKinisis Travel to those who booked accommodation through them. Additional coupons for sale available at the registration desk				
Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>C. Skotinou</b>	<b>S. Eracleous</b>	<b>T. Szemberg, P. Cheng</b>	<b>S. Antoniadis, A. Demetriou</b>	<b>T. Evagorou</b>
14.20 – 14.40	MP16 <b>MATHS, SCIENCE AND REAL LIFE</b> Nera Tomrlin Osnovna skola "Braca Radic", Croatia	SP16 <b>SPECTROPHOTOMETRY</b> Kakos Sotiris, Karali Alexandra, Kritharidis Konstantinos, Hadjicosta Marilena, Sfiris Haralambos Ioannis The American College of Greece-Pierce, Greece	WS22 <b>MATHEMATICAL GAMES</b> Tomasz Szemberg Pedagogical University of Cracow, ul. Podchorazych 2, PL-30-084 Cracow, Poland	WS17 <b>'BIOLOGICAL MOLECULES' AS LEVEL</b> Sotiris Antoniadis, International School of Paphos, Cyprus	SP34 <b>WORMHOLES</b> Bogdan Fomichev International School of Paphos, Cyprus

## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Friday, 15 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>C. Skotinou</b>	<b>S. Eracleous</b>	<b>P. Cheng</b>	<b>S. Antoniadès, A. Demetriou</b>	<b>T. Evagorou</b>
14:40 – 15:00	MP17 <b>LEARNING MATHEMATICS THROUGH GAMES</b> Niko Sertic Osnovna skola “Braca Radic”, Croatia	SP17 <b>STEM CELLS</b> Arvanitaki Victoria, Gkerekou Georgia, Loukaki Vasiliki, Charalampos Papadopoulos-Siountris, Christina Servou, Antonia Stamatellou The American College of Greece-Pierce, Greece	WS22 <b>MATHEMATICAL GAMES</b>	WS17 <b>‘BIOLOGICAL MOLECULES’ AS LEVEL</b>	SP35 <b>HAZELNUT SHELL BRIQUETTES</b> Eda Avmedovska, Eva Lazarevska Yahya Kemal College Skopje, North Macedonia
15:00 – 15:20	MP18 <b>MATHEMATICS IN SPORTS</b> Nikola Kusek Osnovna skola “Braca Radic”, Croatia	SP19 <b>CHROMATOGRAPHY</b> Giagli Xenia, Maravitsas Konstantinos, Papadakis Nikolaos, Papakosta-Sampatakaki Kanella, Papanikolaou Archonto-Rafaëla The American College of Greece-Pierce, Greece	WS8 <b>ROMBOTICS FOR MATHEMATICS STUDENTS</b> Pericles Cheng Cyprus Computer Society & ROBOTEXT CYPRUS	WS19 <b>THE HIDDEN SECRETS WITHIN THE TERMS OF A POLYNOMIAL</b> Andreas Demetriou The Heritage Private School, Cyprus Cyprus Mathematical Society	SP36 <b>HEAVY METAL REMOVAL WITH VINEGAR: APPLE, GREEN GRAPES, BLACK GRAPES, POMEGRANATE</b> Tea Smilevska, Dea Rajhl Yahya Kemal College Skopje, North Macedonia
15:20 – 15:40	MP19 <b>MATHEMATICS AND GEOMETRY IN ARCHITECTURE</b> Patrik Fiser Osnovna skola “Braca Radic”, Croatia	SP21 <b>FLY A DRONE, SAVE A FOREST</b> Nikolas Hadjipaschalis International School of Paphos, Cyprus	WS8 <b>ROMBOTICS FOR MATHEMATICS STUDENTS</b>	WS19 <b>THE HIDDEN SECRETS WITHIN THE TERMS OF A POLYNOMIAL</b>	SP37 <b>PLASTIC OF POTATOES</b> Valmir Iseini, Damjan Konjanovski Yahya Kemal College Skopje, North Macedonia
15:40 – 16:00	MP20 <b>FISHING MATH</b> Iva Betlehem Osnovna Skola Fran Koncelak Drnje, Croatia	SP27 <b>QUANTUM MECHANICS: EVERYTHING AND EVERYWHERE</b> Maria Tivanova The Heritage Private School, Cyprus	WS8 <b>ROMBOTICS FOR MATHEMATICS STUDENTS</b>	WS19 <b>THE HIDDEN SECRETS WITHIN THE TERMS OF A POLYNOMIAL</b>	SP22 <b>BALLET</b> Laetitia Mukiza, Maria Yiasoumi Med High Schools, Cyprus

## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Friday, 15 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinator</b>	<b>C. Skotinou</b>	<b>S. Eracleous</b>	<b>P. Cheng</b>	<b>N. Savva, A. Grguric</b>	<b>T. Evagorou</b>
16:00 – 16:20	MP85 <b>THE WORLD'S COMMON LANGUAGE</b> Anastasia Nicolaou The GC School of Careers, Nicosia, Cyprus	SP28 <b>HYPNOSIS</b> Eleftherios Nikou, Isabella Cairns, Lydia Wells, Mathew Kuzmin TLC Private School, Cyprus	WS8 <b>ROMBOTICS FOR MATHEMATICS STUDENTS</b>	WS16 <b>MIND MAPPING FOR CHEMISTRY CONCEPTS</b> Natasa Savva, Viviana Petinou International School of Paphos, Cyprus	SP23 <b>CYCLING</b> Anna Kalaitidou Med High Schools, Cyprus
16:20 – 16:40	MP91 <b>THE GREAT PYRAMID OF GIZA</b> Janat Derawi Med High Schools, Cyprus	SP30 <b>TIME TRAVELLING</b> Vrettas Christos, Bompitsis Kostantinos, Vretta Theodora Diastaseis Private School, Greece	WS8 <b>ROMBOTICS FOR MATHEMATICS STUDENTS</b>	WS16 <b>MIND MAPPING FOR CHEMISTRY CONCEPTS</b>	SP24 <b>SPEED</b> Marco Marcou Med High Schools, Cyprus
16:40 – 17:00	MP87 <b>WHAT IS THE DIFFERENCE BETWEEN A CUP AND A DONUT?</b> Freja Johansson, Saga Anderholm Hansson Polhemskolan, Sweden	SP20 <b>PHYSICS OF THE BRAIN</b> Deniz Akansoy, Leonie Kallis, Omer Emir Serak The English School of Nicosia, Cyprus	WS8 <b>ROMBOTICS FOR MATHEMATICS STUDENTS</b>	WS21 <b>ENJOYING MATH</b> Anita Grguric, Zlatka Miculinic Mance Prva Rijecka Hrvatska Gimnazija, Croatia	SP25 <b>THE PERFECT HIGH-FIVE</b> Zeno Kafetzis, Elizaveta Porunova, Alexander Kalaitides, Andrea Efstathiou, Raphaella Gregoriou, Diba Salamat Med High Schools, Cyprus
17:00 – 17:20	MP94 <b>Π</b> Ioanna Gerolemou, Tuna Erchika, Daria Shmidt Med High Schools, Cyprus	SP31 <b>CYPRUS HERITAGE EXPLORING WITH QUANTUM PROGRAMMING</b> Aleksander Bosek XIV LO im. St. Staszica, Poland	WS8 <b>ROMBOTICS FOR MATHEMATICS STUDENTS</b>	WS21 <b>ENJOYING MATH</b>	SP26 <b>WHY DO WE DREAM</b> Omar Hmaydani Med High Schools, Cyprus
17:20 – 17:40	MP103 <b>OPTIMIZING EMERGENCY RESPONSE TIME USING MATHEMATICS AND COMPUTER SCIENCE</b> Andreas Lordos The English School, Nicosia	SP33 <b>SOLVING THE GLOBAL ISSUE OF OIL SPILLS</b> Valmir Iseini, Damjan Konjanovski Yahya Kemal College Skopje, North Macedonia	WS8 <b>ROMBOTICS FOR MATHEMATICS STUDENTS</b>	MP55 <b>MATHEMATICS AND PHILOSOPHY</b> Juan A. Monge-Navarro Otero Turku International School, Finland	SP29 <b>THE MIRAGE TO REALITY</b> Andrea Alexandrou, Sophia Constantinou, Vasiliki Kalimera, Michalis Kasoulides The English School Nicosia, Cyprus

## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

17:40 – 18:00	MP28 <b>THE FORMULIZATION OF THE PUZZLE OF PICTURE HANGING</b> Behrokhshadat Behresi, PArmida Azizi, Parnian Shojaei High School Farzanegan, Iran				MP32 <b>A NEW MODEL FOR SIGNAL AND IMAGE DENOISING FROM THE VIEWPOINT OF IMAGE PROCESSING</b> Viana Salehi High School Farzanegan, Iran
---------------	--	--	--	--	--


**Friday, 15 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

17:40 – 18:00	<b>JUICE BREAK (Arion Bar)</b>
---------------	--------------------------------

Place	Room: Adonis and Zeus (Level +1)
-------	----------------------------------

Coordinator	C. Papagiannis, S. Loizias
-------------	----------------------------

18:00 – 19:30	 <b>MATHFactor and SCIENCEFactor Europe 2019 Competitions – Finals</b> Open to the public
---------------	---

<b>Finals MATHFactor Europe 2019</b> <b>Room Adonis (Level +1)</b>	<b>Finals SCIENCEFactor Europe 2019</b> <b>Room Zeus (Level +1)</b>
---	--

18:00 – 19:30	<b><u>MATH-FACTOR EUROPE 9-13</u></b> <b>MFL1</b> Card Tricks, HR <b>MFL2</b> Abacus Soroban, HR <b>MFL3</b> Patterns, HR <b>MFL4</b> Mathematics and rigid body, NG <b>MFL5</b> Geometry patterns on clothes, HR <b>MFL6</b> Vampire number, HR <b>MFL7</b> Cokolino, HR <b>MFL8</b> Geometry with courts, HR <b>MFL9</b> World Cup Maths, HR	<b><u>SCIENCE-FACTOR EUROPE 9-18</u></b> <b>SF1</b> It's not magical but... magnetismical, CY <b>SF2</b> How a simple Electric Circuit application makes house chores easier!, CY <b>SF3</b> Olbers' paradox, HR <b>SF4</b> Fountain Admirer, CY <b>SF5</b> Too many cooks spoil the broth, CY <b>SF6</b> An alternative Musical Instrument, CY <b>SF7</b> Dissolution of sea shell's calcium carbonate in vinegar, NMK <b>SF8</b> Back to the future, CY <b>SF9</b> Chromatography!, CY <b>SF10</b> Ventilation of the thorax, CY
---------------	---	--

20:30 – 01:00	<b>Dinner Dance “Mathematics and Science by Night”</b> <b>Place: Pantheon Ball Rooms A &amp; B (Level -1)</b> <b>Address: Aliathon Hotel, MULTIFUNCTIONAL CONFERENCE CENTRE</b>
---------------	---

# EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Saturday, 16 March 2019**

MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus

## OWLYPIA Online Competition

(BYOD : Bring your own device) (Zeus Room, Level +1)

1. Social Sciences    2. Science & Technology    3. Economics & Business

4. Art & Design    5. Literature & Culture

Pre-registration and payment is required.

*For students aged 11-14 (Owlets) & 15-18 (Owlys)*

Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>D. Karantanos</b>	<b>S. Eracleous</b>	<b>P. Cheng</b>	<b>L. Makrides</b>	<b>A. Demetriou</b>
09:20 – 09:40	MP98 <b>OUR NOT SO EVERYDAY - EVERYDAY DILEMMAS</b> Karolina Adamczyk, Julia Janik, Zofia Kaweska, Gabriela Walczowska Zespol Szkolno-Przed szkolny w Zabierzowie, Poland		WS9 <b>ROMBOTICS FOR MATHEMATICS TEACHERS</b> Pericles Cheng Cyprus Computer Society & ROBOTEXT CYPRUS	MP104 <b>ZERO MISTERIES</b> Jirovianu Nicolae Alexandru, Iordache Laurentiu Andrei The National College Elena Cuza, Romania	SP38 <b>AERODYNAMICS IN OUR LIVES</b> Kaloyan Todorov Fachikov, Martin Boyanov Stefanov, Ivan Ventsislavov Georgiev Sofia High School of Mathematics, Bulgaria
09:40 – 10:00	MP83 <b>REVERSING PASCAL'S TRIANGLE</b> Kyriacos Rouvas The English School Nicosia, Cyprus		WS9 <b>ROMBOTICS FOR MATHEMATICS TEACHERS</b>	MP36 <b>MATHEMATICS AND RIGID BODY</b> Oleghe Godwin, Akerele Abdulsattar, Uthman Hameedah, Okeoma Isabella The Concord School, Nigeria	SP39 <b>GOAL IMPOSSIBLE</b> Yiannis Ioannou, Anastasis Nicolaou, Chris Leonidou, Stylianos Fatouros The GC School of Careers, Nicosia, Cyprus

## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Saturday, 16 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>D. Karantanos</b>	<b>S. Eracleous</b>	<b>P. Cheng</b>	<b>L. Makrides</b>	<b>A. Demetriou</b>
10:00 – 10:20	MP27 <b>INVESTIGATION OF THE POETRY IN LITERATURE FROM VIEWPOINT OF MATH VISION</b> Behroksadat Behresi, Arnavaz Parvizi, Seyehniyousha Nazraftar High School Farzanegan, Iran	MP21 <b>WORLD CUP IN RUSSIA 2018 AND THE BIG CROATIAN FOOTBALL TEAM ACHIEVEMENT</b> Matej Matijasic Osnovna Skola Fran Koncelak Drnje, Croatia	WS9 <b>ROMBOTICS FOR MATHEMATICS TEACHERS</b>	MP37 <b>A RIDE YOU WILL NEVER FORGET</b> Andreana Vanezou, Giorgos Antonaras, Ioannis Panayiotou The GC School of Careers, Nicosia, Cyprus	SP40 <b>BEFORE THE ALARM GOES OFF</b> Tereza Michael The GC School of Careers, Nicosia, Cyprus
10:20 – 10:40	MP39 <b>THE AREA OF SURFACES WHICH ARE BOUNDED BY THE “BLACK HOLE” FUNCTIONS</b> Bogdan Branisteanu, Darius Feher “Mihai Eminescu” National College Satu Mare, Romania	MP22 <b>MATH THROUGH GEOGRAPHY</b> Hana Siroki Osnovna Skola Fran Koncelak Drnje, Croatia	WS9 <b>ROMBOTICS FOR MATHEMATICS TEACHERS</b>	<b>OWLYPIA COMPETITION</b>	SP41 <b>OPTIMISING OF WASTE COOKING OIL INTO BIODIESEL</b> Dren Kaliqi, Mervesena Cengiz Yahya Kemal College Skopje, North Macedonia
10:40 – 11:00	MP40 <b>SOME INFINITE PRODUCTS</b> Arteni Dan, Podina Tudor “Mihai Eminescu” National College Satu Mare, Romania	MP101 <b>MATHEMATICS AND SOCIETY</b> Odysseas Lesko, Vaggelis Saradoulakis, Huang Cheng Yu International School of Piraeus, Greece	WS9 <b>ROMBOTICS FOR MATHEMATICS TEACHERS</b>	<b>OWLYPIA COMPETITION</b>	SP42 <b>HERBS AND MEDICINE</b> Irene Kokiasmenou, Eleni Papadopoulou, Alkmini Mantzouratou, Anastasia Saltou, Eleftheria Koutsouraki, Stellina Monastiridou International School of Piraeus, Greece

## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Saturday, 16 March 2019**

**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>D. Karantanos</b>	<b>S. Eracleous</b>	<b>P. Cheng</b>	<b>L. Makrides</b>	<b>A. Demetriou</b>
11:00 – 11:20	MP35 <b>COUNTING WITH CATALAN NUMBERS</b> Adewumi Feyikemi, Dawodu Naimah, Alayande Emmanuel The Concord School, Nigeria	MP42 <b>UNDERSTANDING MUSIC THROUGH MATHS</b> Constantinos Gallis, Riho Pallum, Georgios Roupas St. Catherine’s British School, Greece	WS9 <b>ROMBOTICS FOR MATHEMATICS TEACHERS</b>	<b>OWLYPIA COMPETITION</b>	SP43 <b>ELECTRIC DEVICES AND HUMAN BODY</b> Jin Hao, Philippos Panourgias International School of Piraeus, Greece
11:20 – 11:40	MP88 <b>GENERAL-SUM GAMES AND NASH EQUILIBRIUM</b> Martin Boyanov Stefanov Sofia High School of Mathematics, Bulgaria	MP43 <b>THE MAGIC OF NUMBERS</b> Vretta Theodora, Kaltaveridou Maria Diastaseis Private School, Greece	WS9 <b>ROMBOTICS FOR MATHEMATICS TEACHERS</b>	<b>OWLYPIA COMPETITION</b>	SP44 <b>THE EFFECT OF AN ORGANIC SURYP WITH ARONIA AGAINST THE DUST MITE ALLERGIES</b> Jana Majnova Yahya Kemal College Skopje, North Macedonia
11.40 – 12.00	MP89 <b>ANALYSES OF LIMP ROOK, STUMBLER ROOK AND OTHER CHESS FIGURES</b> Ivan Ventsislavov Georgiev Sofia High School of Mathematics, Bulgaria	MP44 <b>CRYPTOLOGY’S JOURNEY</b> Kaltaveridou Maria, Vretta Theodora Diastaseis Private School, Greece	WS9 <b>ROMBOTICS FOR MATHEMATICS TEACHERS</b>	<b>OWLYPIA COMPETITION</b>	SP45 <b>DOG-A MAN’S BEST FRIEND</b> Nikoletta Antoniou, Elicia Byans, Zara Dolman, Annie Lin, Aimee Mcgawn TLC Private School, Cyprus



## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Saturday, 16 March 2019**


**MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus**

Place	Aphrodite Hall (Level 0)	Pantheon Ball Room A (Level -1)	Adonis (Level +1)	Zeus (Level +1)	Artemis (Level 0)
<b>Coordinators</b>	<b>D. Karantanos</b>	<b>S. Eracleous</b>	<b>P. Cheng, K. Gryszka</b>	<b>L. Makrides</b>	<b>A. Demetriou</b>
12.00 – 12:20	MP90 <b>PACKING TRIANGLES IN GRAPHS WITH SUBLINEAR INDEPENDENCE NUMBER</b> Kaloyan Todorov Fachikov Sofia High School of Mathematics, Bulgaria	MP45 <b>THE SHADOW'S HIDDEN MESSAGE</b> Taekhyun Kim, Dongyoung Kim International School of Moscow, Russia	WS9 <b>ROBOTICS FOR MATHEMATICS TEACHERS</b>	<b>OWLYPIA COMPETITION</b>	MP29 <b>NEW IDENTITIES OF K-TH ORDER PERRIN SEQUENCES</b> Aleksander Bosek XIV LO im. St.Staszica, Poland
12:20 – 12:40	MP93 <b>THE FIRST LEMOINE CIRCLE</b> Martin Lofstrom Polhemskolan, Sweden	MP46 <b>BLACK HOLES</b> Gregory Chizhov International School of Moscow, Russia	WS23 <b>PLAYING WITH FAIR AND BIASED COINS</b> Karol Gryszka Pedagogical University of Cracow, Poland	<b>OWLYPIA COMPETITION</b>	MP31 <b>SOME RESULTS ON THE APPLICATIONS OF MARKETING IN VIEW OF GAME THEORY</b> Parsa Maleki Shahid Majdzadeh Highschool, Iran
12:40 – 13:00	MP95 <b>MODELLING THE GREAT AND DIVINE COSMOS USING PRIME NUMBERS</b> Napolina Yiannakou, ShengKun Zhao (Barbara) The Heritage Private School, Cyprus Iva Betlehem, Matej Matijasic, Hana Siroki Osnovna Skola Fran Koncelak, Croatia	MP47 <b>ABSOLUTE ZERO</b> Taekhyun Kim, Dongyoung Kim International School of Moscow, Russia	WS23 <b>PLAYING WITH FAIR AND BIASED COINS</b>	<b>OWLYPIA COMPETITION</b>	MP54 <b>MATHEMATICS IN CRYPTOGRAPHY</b> Khalid Mashal, Madeleine Rosenqvist, Talemwa Nanyange Turku International School, Finland
<b>13:00 – 14:15</b>	<b>Lunch Break, Place: MULTIFUNCTIONAL CONFERENCE CENTRE –Pantheon Restaurant (Level -1)</b> Coupons offered by TopKinisis Travel to those who booked accommodation through them. Additional coupons for sale available at the registration desk				

# EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Saturday, 16 March 2019**


MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus

<b>Coordinators</b>	C. Papagiannis, S. Loizias	
	 <b>MATHFactor Europe 2019 Competitions – Finals</b> Open to the public	
	<b><u>MATHFACTOR EUROPE 14-18 (Aphodite Hall , Level 0)</u></b>	
14.30 – 16.15	<p><b>MFU1</b> Number Pi, HR</p> <p><b>MFU2</b> How to win a cycling time trial by using maths?, SI</p> <p><b>MFU3</b> The magic of number nine, HR</p> <p><b>MFU4</b> Aristotle's Wheel paradox, SI</p> <p><b>MFU5</b> Mathematics in painting, HR</p> <p><b>MFU6</b> Pythagorean comma, SI</p> <p><b>MFU7</b> Mathematical Tricks, HR</p> <p><b>MFU8</b> Russian Multiplication: An unusual, yet practical way of multiplying for Computer Science, GR</p> <p><b>MFU9</b> Maths, money and bank, HR</p> <p><b>MFU10</b> How the pigeons found the socks, CY</p> <p><b>MFU11</b> Polygon in one cut, CY</p>	<p><b>MFU12</b> Board games and math, HR</p> <p><b>MFU13</b> Geometry, HR</p> <p><b>MFU14</b> Infinity of Prime Numbers, SI</p> <p><b>MFU15</b> Tally numbers, HR</p> <p><b>MFU16</b> Four dimensional cube, SI</p> <p><b>MFU17</b> Folk dancing, HR</p> <p><b>MFU18</b> How to make money for a living..., GR</p> <p><b>MFU19</b> Magic number eleven, HR</p> <p><b>MFU20</b> A life and death example of statistical errors, CY</p> <p><b>MFU21</b> Round coaster in a square hole, HR</p> <p><b>MFU22</b> Sudoku, HR</p>

## EUROMATH & EUROSCIENCE 2019 – ASTUCON 2019 PROGRAMME

**Saturday, 16 March 2019**

MULTIFUNCTIONAL CONFERENCE CENTRE, Aliathon Resort, Paphos, Cyprus

16.15 – 18.15		<b>MATH &amp; SCIENCE Theatre Europe 2019 Competition – Finals (Aphrodite Hall)</b> Open to the public
	<b>Finalists</b>	
	<u><b>MATH-SCIENCE THEATRE (Aphrodite Hall , Level 0)</b></u> MST1 Math is for all, LB MST2 Dispute of letters and numbers, CY MST3 Sweet percentages, HR MST4 The other (dimension), CY MST5 Math Heist, PL MST6 Magic vs Science, HR MST7 Science in School, NMK	
18:15 – 18.30	<b>JUICE BREAK</b> waiting for results , Place: Arion Bar	
	<b>AWARDS CEREMONY (Aphrodite Hall, Level 0)</b>	
Coordinator	C. Papagiannis, S. Loizias	
18.30 – 19.30	Results of MATH & SCIENCE Poster Design 2019 Competition Results of MATH & SCIENCE Theatre Europe 2019 Results of MATHFactor Europe 2019 Results of SCIENCEFactor Europe 2019 Results of MATHPresentation 2019 Competition Results SCIENCEPresentation 2019 Competition Other awards	
<b>Sunday, 17 March 2019</b>		
All day	Departures	