

PLENARY PRESENTATION

Title, presenters	Registration Completed
CERN – THE EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH: OPPORTUNITIES OF YOUNG RESEARCHERS AND TALENTED YOUTH – MATHS AND SCIENCE IN ACTION Professor Evangelos Gazis, National Technical University of Athens, CERN	Yes

EUROMATH PRESENTATIONS

Title, presenters	Registration Completed
MATHEMATICS IN LIFE Nikolay Malykh, Elizabeth Paula Kozlova, Bogdan Reshetnikov, Georgy Lisitsin, Alexandros Konstantinou, Pupils of Pythagoras School, Cyprus	Yes
MATHEMATICS IN COMPUTING Dmitry Grebenin, Pupils of Pythagoras School, Cyprus	Yes
MATHS IN VIDEO GAMES Fran Filipovic, OS braca Radic Koprivnica, Croatia	Yes
MATHEMATICS IN FOOTBALL Niko Sertic, OS braca Radic Koprivnica, Croatia	Yes
SHOPPING MATHEMATICS Ida Rupcic, Tara Sambar, OS braca Radic Koprivnica, Croatia	Yes
MATHEMATICS IN JOURNALISM Ena Omrcen-Ceko, OS braca Radic Koprivnica, Croatia	Yes
MATHEMATICS IN GAMBLING Patricija Mihoci, OS braca Radic Koprivnica, Croatia	Yes
MATHEMATICS IN CIVIL ENGINEERING Nikola Kusek, OS Braca Radic Koprivnica, Croatia	Yes
APPLICATION OF MATHEMATICS IN HOLIDAYS Josip Mikulic, OS braca Radic Koprivnica, Croatia	Yes
APPLICATION OF PURE MATHEMATICS IN ECONOMIC THEORIES Alireza Mousavi, Alireza Mohammadi, Shahid Besheshti, Zanjan, Iran	Pending
IMPORTANCE OF MATHEMATICAL ECONOMICS Alireza Mousavi, Alireza Mohammadi, Shahid Besheshti, Zanjan, Iran	Pending
THE RELATIONSHIP OF MATHEMATICS AND MUSIC Alireza Mousavi, Alireza Mohammadi, Shahid Besheshti, Zanjan, Iran	Pending
MATHEMATICS AND PHILOSOPHY: WHAT IS A LIMIT? Giuseppe Calio, Giorgia Corrado, Liceo Scientifico “Luigi Siciliani”, Catanzaro, Italy	Yes
THE MATHEMATICAL WAY OF WINNING AT MONOPOLY Joel Anicic, Prva rijecka hrvatska gimnazija, Rijeka, Croatia	Yes
THE MONTY HALL PARADOX Karlo Andlovec, Maja Juric, Virna Nilovic, Prva rijecka hrvatska gimnazija, Rijeka, Croatia	Yes

BIOMATHS Ritirato Chiara, Antonio Spina, Zerillo Alessandro, Liceo Scientifico G. Rummo, Benevento, Italy	Yes
WITH MATHEMATICAL EYE Boffa Anna, D'Aronzo Elvira, Iannella Miriam, Sabbatini Andrea, Spina Antonio, Liceo Scientifico G. Rummo, Benevento, Italy	Yes
MUSIC AND MATHS: HATE OR LOVE? Formisano Anna, Ritirato Chiara, Zerillo Alessandro, Liceo Scientifico G. Rummo, Benevento, Italy	Yes
TASTING MATHEMATICALLY Adamo Giulia, Chietti Francesco, Panella Valeria, Savinelli Vincenzo, Simeone Francesca, Zeoli Domenico, Liceo Scientifico G. Rummo, Benevento, Italy	Yes
MATHEMATICS IN MAKING CLOTHES Filip Baronic, Iva Betlehem, Osnovna Skola Fran Koncelak, Drnje, Croatia	Yes
BLOCKCHAIN: WHEN MATHS BECOMES THE FUTURE OF MONEY Arina Ghanizadegan, The Grammar School, Nicosia, Cyprus	Yes
IS MATHS REAL? Alexandros Violetti, The Grammar School, Nicosia, Cyprus	Yes
MATHS VERSUS CRIME Nikolas Loizou, Marisa Loizidou, Eleonora Kekkou, The Grammar School, Nicosia, Cyprus	Yes
THE SECRET OF RANKING Elena Syllouri, Ourania Papakyriakou, Yuexuan Gu, The Grammar School, Nicosia, Cyprus	Yes
VISUALISING MATH Andreas Hadjikallis, American Academy Larnaca, Cyprus	Yes
THE CONFLICT BETWEEN INHERITANCE AND MATHEMATICS Chara Toumba, American Academy Larnaca, Cyprus	Yes
ORDER IN CHAOS – PEACE IN DISCORD – ASSURANCE IN PROBABILITY Antreas Haperis, Nikolas Fournaris, American Academy Larnaca, Cyprus	Yes
MATHEMATICS AND ART Michalis Nicolaou, Sophia Tsokkou, American Academy Larnaca, Cyprus	Yes
WHY THE GOLDEN RATIO TAKES THE GOLD Marianna Efstathiou, Anastasia Pipiou, Anastasia Stavrou, Antonietta Haliou, Nicholas Zacharia, Antonis Theodorou, American Academy Larnaca, Cyprus	Yes
CIRCLE Pantelis Koshias, Elena Biparva, Anastasis Christoforou, American Academy Larnaca, Cyprus	Yes
EVERYTHING ABOUT NOTHING Herman Wigge, Simon Ljungbeck, Polhemskolan, Lund, Sweden	Yes
“AND YET IT MOVES”... AND SOMETIMES IT TREMBLES Francesco A. Colosimo, Manlio de Pasquale, Pasquale Scalise, Liceo Scientifico “Luigi Siciliani” Catanzaro, Italy	Yes
MATHEMATICS AND MUSIC Mahyar Jafari Nodeh, Mohammad Reza Daviran, Shahid Beheshti Exceptional Talents, Iran	Pending
CRYPTOGRAPHY Negar Maleki, Farzanegan 1, Iran	Pending
IMMEDIATE THIRD ROOTS Arnica Kiani, Sevin Vosughi, Meeraj andisheh school, Iran	Pending
THE ROLE OF MATHEMATICS IN MEDICINE Shakila Hamdy, Farzaneghan 1, Iran	Pending

PHILOSOPHY AND MATHEMATICS Mohammad Ali Bigdeli, Mohammad Amin Jafari, Bright Student Shahid Beheshti School, Iran	Pending
RUBIK'S CUBE Patrik Aleksic, Patricia Baros, Bozena Markovic, Natali Marinkovic, Prva Rijecka Hrvatska Gimnazija, Croatia	Yes
ANALYSES OF NONOGRAMS Ivan Ventsislavov Georgiev, Sofia Mathematics High School, Bulgaria	Yes
SZEMEREDI'S REGULARITY LEMMA AND EXPANDER GRAPHS Kaloyan Todorov Fachikov, Sofia Mathematics High School, Bulgaria	Yes
FRACTAL STRUCTURE OF DNA Pavlovic Marija, Jurisic Milica, Mirjana Jovanovic, "Isidora Sekulic" Grammar School, Serbia	Pending
CRIMINOLOGY IN THE NEED OF MATHEMATICS Daria Kovanova, Maria Kaltaveridou, Diastaseis Private School, Greece	Pending
EXPLORING THE ANCIENT GREEKS' MYSTIC AND TOPOGRAPHICAL SYMMETRIES Thanasis Bakalis, Stelios Samaras, Sofia Bakali, Christodoulos Karapatakis, Diastaseis Private School, Greece	Pending
MATHEMATICS AND MUSIC CAN EXPLAIN EVERYTHING Soultana Fani Adamidou*, Alexios Flamouropoulos, Diastaseis Private School, Greece	Pending
MATHEMATICS - POETRY: AN UNDOUBTEDLY CHARMING ENCOUNTER Alexios Flamouropoulos, Soultana Fani Adamidou, Diastaseis Private School, Greece	Pending
THE PRINGLES FUNCTION Saga Anderholm Hansson, Linnea Olsson, Polhemskolan, Lund, Sweden	Yes
MATHEMATICS AND PHOTOGRAPHY Aleksandra Dziadosz, Polhemskolan, Lund, Sweden	Yes
MATH IN URBAN PLANNING AND CONSTRUCTION Jakov Dolenc, Andrija Njers, Gimnazija "Fran Galovic" Koprivnica, Croatia	Yes
A DAY IN THE LIFE OF A DESTRUCTIVE PROJECTILE Andria Athanasiadou, Anna-Maria Hadjigregoriou, Constantinos Ioannou, Polycarpos Yiorkadjis, The G C School of Careers, Nicosia, Cyprus	Yes
WHODUNNIT? MATHDUNNIT! Anastasiadou Chara, Pavlou Kristina, Yamasaki Patrickiou Helena, The G C School of Careers, Nicosia, Cyprus	Yes
WHAT MAKES MATH AWESOME? Stjepan Delekovcan, Gimnazija "Fran Galovic" Koprivnica, Croatia	Yes
SIMPLE MATHEMATICAL MODELS IN MUSIC Nika Pishkari, Farzanegan 1, Iran	Pending
MAGICAL SQUARE Ailin Mirzaee, Roshd school, Zanjan, Iran	Pending
DATA COMPRESSION IN MUSIC INDUSTRY Nima Rastgar, Amirhossein Ghorbani, 23rd Misagh St., Zanjan Ct, Iran	Pending
MATHEMATICS AND BALLET Brenda Yuritzi Martinez Contla, Honorable Secondary School number 1, Mexico	Yes
ON PERFECT NUMBERS Martin Lofstrom, Polhemskolan, Lund, Sweden	Yes
SEQUENCE RESULTING AS SOLUTION OF TWO COMBINATORIAL PROBLEMS Russu Vladimir, Theoretical lyceum A. Puskin, Chisinau, Republic of Moldova	Yes
IT ALL STARTED WITH A BET Zorpas Stephanos, The G C School of Careers, Nicosia, Cyprus	Yes

A CIRCLE ROTATES TOWARDS EXCITING MATHEMATICS Galati Lina, Pachni Ioanna, Perroti Loukia, Pimbli Natalia, Tzanetou Elena, The Moraitis School, Greece	Yes
ELLIPSE: AN INCREDIBLE, YET OFTEN OVERLOOKED CURVE Georgiou Stavroula, Nikolarea Nikolina, Mamais John, The Moraitis School, Greece	Yes
P VERSUS NP Antonis Bourtzinakos, Dimitra Iosifidou, Stefanos Kantaros, Ioanna Kolyva, Pantelis Mexas, Panagiota Mouteveli, Elena Tziveleki, Georgia Okka, Loukia Pragmateftaki, Dimitris Proios, Evgenia Skagkou, Giorgos Sgourakis, Zanneio Experimental Lyceum of Piraeus, Greece	Pending
COLORING SIERPINSKI TYPE CARPET Radoslaw Peszkowski, Andrzej Szablewski, Jan III Sobieski High School in Krakow, Poland	Yes
POLYNOMIALS: FROM A ROUTINE EXERCISE TO A VAST GENERALIZATION Pawel Jarosz, Oliwia Jarzęcka, Arkadiusz Ludzik, 7 LO im. Zofii Nalkowskiej w Krakowie, Poland	Yes
SOLVING FERMAT EQUATION IN 2x2 MATRICES Antoni Dera, Kajetan Grzybacz, Alicja Madeyska, 7 LO im. Zofii Nalkowskiej w Krakowie, Poland	Yes
HOW MATHEMATICS WON WORLD WAR II Sergei Novikov, Mariia Goncharova, Ekaterina Lazebnik, The Heritage Private School, Limassol, Cyprus	Yes
BAYES' THEOREM Nicolas Georgiades, Charalampos Zacharia, The English School of Nicosia, Cyprus	Yes
MATHEMATICAL FALLACIES Georgia Tzyrka, Savvas-Odysseas Makariou, Vasiliki Kalimera, Christia Kai, The English School of Nicosia, Cyprus	Yes
PRIMALITY TESTING AND CARMICHAEL NUMBERS Martin Boyanov Stefanov, Sofia High School of Mathematics, Bulgaria	Yes
WONDERWOMEN Lilikaki Marianna, Mavragani Christina, Safarika Eleftheria, Zein Christina, Pierce - The American College of Greece, Greece	Yes
GOLDEN RATIO Barla Anastasia, Barla Dimitra, Theofani Ioanna - Myrto, Theofani Maro - Athina, Pierce - The American College of Greece, Greece	Yes
GAME THEORY AND THE COLD WAR Paulina Acova, International School of Moscow, Russia	Yes
MATHEMATICS IN COMPUTER GAMES Mayya Mukhina, International School of Moscow, Russia	Yes
MATHS OR LUCK? Alexandra Anastasiadou, Andreas Lordos, Andreas Yiakoumis, Christos Antoniou, Petros Vassiliades, The English School of Nicosia, Cyprus	Yes
MATHEMATICS IN MUSIC, POSSIBLE OR IMPOSSIBLE? Octavio Tristan Penaloza Sanchez, Rosario Castellanos, Mexico	Yes
PASCAL'S TRIANGLE Ivan Ventsislavov Georgiev, Martin Boyanov Stefanov, Sofia High School of Mathematics, Bulgaria	Yes
MATHS AND AUTISM Alevrogianni Despoina, Karali Anastasia, Mavropoulou Natalia, Papadede Anna-Maria, Skoura Noni, Nea Genia Ziridis School, Greece	Pending
DIDO AND HER PROBLEMS Giannopoulou Sofia, Grigoriou Katerina, RapthsAggelos, Taraboulous Zak, Nea Genia Ziridis School, Greece	Pending

AREA OR PERIMETER OF CIRCLE WITHOUT PI Daniel Jovanovski, Zoran Acevski, Filip Kostadinovski, Boban Blazeovski, Yahya Kemal College, FYR Macedonia	Yes
SHADING VENN DIAGRAM WITH GRAPH Jusuf Xheladini, Amar Ademi, Yahya Kemal College, FYR Macedonia	Yes
FIGURE-ING A PUNCH Aggelos Raptis, Lydia Nikiforiadi, Sofia Kotzamani, Malamatenia Karagianni, Anna-Maria Papadede, Nea Genia Ziridis School, Greece	Pending
PLACE YOUR BETS Christodoulou Maria, Fousteri Grigoria, Hadjopoulou Tatiani –Rita, Mania Christina-Ioanna, Petraki Maria, Rova Athena, Sotiriou Alexandra, Nea Genia Ziridis School, Greece	Pending
PARADOXES AND HUMAN LOGIC Pantazopoulos Nikos, Kontostoli Anastasia, Alexandri Lydia, Sideris Stefanos, Nea Genia Ziridis School, Greece	Pending
IT'S COMING Petar Vuckovic, Gymnasium, Kotor, Montenegro	Yes

EUROSCIENCE PRESENTATIONS

Title, presenters	Registration Completed
THE FUTURE OF GENE EDITING Marinos Eliades, Marika Stephanou, Ekaterina Ignashova, The Heritage Private School, Limassol, Cyprus	Yes
A PICO-SATELLITE EMBEDDED IN A SODA CAN FOR ATMOSPHERIC MONITORING AND TELEMETRY TRANSMISSION E. M. Buga, W. N. Derscanu, M. Nechifor, S. I. Tanase, Alexandru Cel Bun” College, Gura Humorulu, Romania C. Turturean, M. E. Zagan, D. Tanase, Spiru Haret” Computer Science National College, Romania	Pending
PASSPORT, PLEASE Petar Vuckovic, Gymnasium, Kotor, Montenegro	Yes
CARTOONS IN PHYSICSLAND Maria Kaltaveridou, Daria Kovanova, Diastaseis Private School, Greece	Pending
EVOLUTION OF SPECIES AND ENTROPY Thanasis Bakalis, Stelios Samaras, Sofia Bakali, Christodoulos Karapatakis, Diastaseis Private School, Greece	Pending
FUTURISTIC HUMAN VISION WITH LENSES Tsempis Konstantinos, Diastaseis Private School, Greece	Pending
THE EIGHTH DAY Alexander Symeonidis, Diastaseis Private School, Greece	Pending
THE MAGIC OF COSMOGENY, A NEVER-ENDING QUEST Georgiadis Doukas, Diastaseis Private School, Greece	Pending
REVERSE CONVECTION Sana Sasani, Nemooneh Meraj School Zanjan, Iran	Pending
INVESTIGATING THE EFFECTS OF E.M. PROBIOTICS Conn Caomhan Muiris, Con O Meachair, Brownswood, Enniscorthy, Co. Wexford Ireland	Pending
PERFORMANCE OF PHOTOVOLTAIC CELLS Shirel Haibi, Adam Zakheos, Styliana Charalambous, Hadjer Nihat, Desley Gombault, Ellada Mandriti, Souzianna Kiteou, Mediterranean Schools, Cyprus	Yes

WIND ENERGY Sofia Savvides, Christos Pantazis, Lucas Giasoumi, Tasnim Derawi, William Preston, Niki Theodoulou, Mediterranean Schools, Cyprus	Yes
MATH IN COMPUTER VISION AND MOMOVEMENT Neven Lukic, Gimnazija "Fran Galovic" Koprivnica, Croatia	Yes
RAINS ON OTHER PLANETS Sara Svegovic, Mihaela Matijevic, Gimnazija "Fran Galovic" Koprivnica, Croatia	Yes
THE GYROSCOPE Adonis Mikeou, The G C School of Careers, Nicosia, Cyprus	Yes
A TRIP ACROSS THE SOLAR SYSTEM Sofronis Michael, Anastasia Constantinou, Antria Nicolaou, The English School of Nicosia, Cyprus	Yes
CONQUERING GRAVITY Polina Abrosimova, Margarita Mordvina, Nikita Ivanov, International School of Moscow, Russia	Yes
A QUANTUM BRAIN? Apostolou Era, Dimitrakopoulou Athina. Dimitrakopoulou M., Gennaraki Garyfallia, Minaretzi Fani, Mpakella Aikaterini, Karalekas Ioannis, Koumpi Olga, Koudigkeli Georgia, Safarika Eleftheria, Sapounaki Ioanna, Syrigou Kassiani, Pierce - The American College of Greece, Greece	Yes
ENLIGHTENING LIGHT: THE DOUBLE-SLIT EXPERIMENT Safarika Eleftheria, Pierce - The American College of Greece, Greece	Yes
STRUCTURE, PROPERTIES AND FUNCTION: THE QUEST FOR MATTER'S MINIMAL PARTS Siotis Aris, Pierce - The American College of Greece, Greece	Yes
A HAND FOR EVERYONE Francesco Brescia, Francesco Scerbo, Liceo Scientifico "Luigi Siciliani", Catanzaro, Italy	Yes
THE MAGIC OF COLOURS: BEHIND "CHROMADEPTH" 3D VISION Annarita Battaglia, Marzia Gidaro, Giulia Perri, Ada Polizzi, Francesca Torchia, Francesco Scerbo, Liceo Scientifico "Luigi Siciliani", Catanzaro, Italy	Yes
NEWTON VS EINSTEIN Christodoulou Maria, Fousteri Grigoria, Hadjopoulou Tatiani –Rita, Mania Christina-Ioanna, Petraki Maria, Rova Athena, Sotiriou Alexandra, Nea Genia Ziridis School, Greece	Pending
THE NOISE OF SOUND Andrianopoulos Odysseas, Barakos Nikolas, Daskalothanasi Lydia, Kansou Angeliki, Mixalopoulou Elisavet, Nea Genia Ziridis School, Greece	Pending
WAVES CAN SAVE THE WORLD Nicola Votino, Dante Zollo, Francesco Piccolo, Francesco Tinessa, Fernando Ferraro, Federico Cotroneo, Liceo Scientifico G. Rummo, Benevento, Italy	Yes
PHYSICS IN EARTHQUAKE SAFETY Luca Vito Iuliano, Fabio Loprete, Gianmarco Nicoletta, Mariateresa Sanseviero, Vincenzo Italia, Concettina Gaccetta, Liceo Scientifico "Luigi Siciliani", Catanzaro, Italy	Yes

WORKSHOPS

Title, presenters	Registration Completed
TECHNOLOGICAL ACHIEVEMENTS IN PARTICLE PHYSICS Professor Evangelos Gazis, National Technical University of Athens, CERN	Yes
USE OF VIRTUAL REALITY IN MAKING MATHEMATICS REAL AND PHYSICAL Professor Tomaz Amon, President, Center for Scientific Visualization. A biologist producing educational virtual reality software	Yes
TRAIN YOUR BRAIN Anastasia Solea, Pupils of Pythagoras School, Cyprus	Yes
ARE LINES STRAIGHT (FORWARD)? Justyna Szpond, Pedagogical University of Cracow, Poland	Yes
GEOMETRY OF A FINITE SET OF POINTS Tomasz Szemberg, Pedagogical University of Cracow, Poland	Yes
MATHEMATICS AND CREATIVITY: AN APPROACH USING DIGITAL STORYTELLING Anna Alfieri, Liceo Scientifico "Luigi Siciliani" Catanzaro, Italy	Yes
THE MATH-GAMES METHODOLOGY: HOW TO LEARN THE BASICS OF MATHEMATICS BY PLANNING GAMES Roland Schneidt, Volkshochschule Schrobenhausen, Germany	Yes
ALGEBRAIC EQUATIONS WITHOUT DERIVATIVES Sava Grozdev, VUZF University, Sofia	Yes
INTRODUCTION TO THE INVARIANT CONCEPT Sava Grozdev, VUZF University, Sofia	Yes
TELESCOPING SUMS Sava Grozdev, VUZF University, Sofia	Yes
MATHEMATICS IN THEATRE: QUAD AND CONSUMING SPACE (SAMUEL BECKETT'S QUAD PLAY AND GRAPH THEORY) Ozan Evkaya, Atilim University, Ankara, Turkey Gizem Gurer, Ankara University, Turkey	Yes
THE MATHEMATICS CUISINE Gerovasileiou Antonia, Dimitropoulos Emmanouil, Kopaila Iliana, Diastaseis Private School, Greece	Pending
MATHEMATICS THROUGH GAMES Mara Grasic, Osnovna Skola, Braca Radic", Koprivnica, Croatia Ksenija Varovic, Osnovna Skola Fran Koncelak, Drnje, Croatia	Yes
AN INTRODUCTION TO THE FINITE STATE AUTOMATA Vasilis Stavropoulos, Dr Kostis Andriopoulos, The Moraitis School, Athens, Greece	Yes
LEARNING MATHEMATICS WITH RUBIK'S CUBE Karol Gryszka, Pedagogical University of Cracow, Poland	Yes