



3D-Remath

International Conference

"Overcoming mathematics learning difficulties using technology and ecology"



PROGRAM

30th September 2021

Hybrid conference

For more information: <http://3dremath.espress.gjinternational-conferences/>
Registration: <http://3dremath.espress.gjregistration/>

PARTNERS



30th September 2021

PROGRAM



11:45 – 12:00 Zoom Connection



12:00 – 12:45 Welcome & Opening

Moderator: Ms. Ioanna Kasampa

Opening and Welcome Speech:

Prof. Maria Mavri, Vice Rector of Research & LLL, University of the Aegean, Coordinator of the 3D-ReMath Project

Welcome Speeches by the Honorable Guests:

Mr. Pantelis Bougdanos, Regional Vice Governor of Chios at North Aegean Region

Mr. Stamatis Karmantzis, Mayor of Chios

Mr. Gonçalo Lopes, Mayor of Leiria

Mr. Paulo Clemente, President of Marrazes and Barosa

Ms. Cristina Ponzanelli, Mayor of Sarzana

Ms. Gloria Rossi, Referent for Erasmus projects for the Regional School Office of Liguria

Prof. Manolis Christofakis, Head of Business Administration Department, University of the Aegean

Mr. Georgios Mastorakis, President of the Hellenic Mathematical Society (Chios Charter)

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30th September 2021

PROGRAM



12:45 – 15:00 SECTION A: **Keynote Speakers**



Moderator: Prof. Rosa Maria Bernardes de Almeida

12:45 – 13:15 | Ms. Maria Gkountouma, EU Political Affairs Assistant, Representative of European Commission, DG Education, Youth, Sports and Culture (EAC)

“Digital education Action Plan 2021-2027: Resetting education and training for the digital age”

13:15 – 13:35 | Dr. Ioannis Antoniou, President of IEP, Representative of Institute of Educational Policy

“Reference Framework of Competences on primary and secondary education”

13:35 – 13:55 | Prof. George Karagiannidis, AUTH, Department of Electrical and Computer Engineering, Greek Representative of European Research Council

“3D Printing and Digital Twins”

13:55 – 14:10 | Mr. Filipe Santos, Teacher of Educational Technologies at the Polytechnic of Leiria. Coordinator of Master on Pedagogical Use of ICTs

“Can the development of a 3D digital game promote math skills?”

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12:45 – 15:00 SECTION A: **Keynote Speakers**

Moderator: Prof. Rosa Maria Bernardes de Almeida

14:10 – 14:25 | Ms. Ourania Lampou, STEM Instructor, Global Educator Greek Ministry of Education & Religious Affairs Greek Astronomy & Space Company

“The importance of STEAM education in curriculum 4.0”

14:25 – 14:40 | Dr. Aris Mavrommatis, Mathematician - Art Theorist School of Fine Arts, Department of Fine and Applied Arts, University of Western Macedonia

“Mathematics Education through 3D Digital Models”



14:40 – 14:50 Q & A



14:50 – 15:00 Short Break

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30th September 2021

PROGRAM



15:00 – 17:10 SECTION B: Experience & lessons learnt from 3D-ReMath Consortium
Moderator: Ms. Veronica Giannetti

15:00 – 15:20 | Prof. Maria Mavri, Vice Rector of Research & LLL, University of the Aegean

*Presentation by the Coordinator of 3D-ReMath
(3D Printing technology aims students at understanding maths and recycling procedure)*

15:20 – 15:35 | Ms. Polina Tetteri

Presentation by the Director of the 2nd Primary School of Chios

15:35 – 15:50 | Mr. Saverio Bagnariol, Ms. Veronica Giannetti

Presentation by the School Director and Head of Teachers of the ISA 13 Istituto Comprensivo Sarzana

15:50 – 16:05 | Mr. Jorge Edgar Brites

Presentation by the Director of the Agrupamento des Escolas de Marrazes

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30th September 2021

PROGRAM



15:00 – 17:10 SECTION B: Experience & lessons learnt from 3D-ReMath Consortium
Moderator: Ms. Veronica Giannetti

16:05 – 16:15 | Ms. Sofia Varla, Ms. Ioanna Kasampa

Presentation by the teachers of the 2nd Primary School of Chios “Ecology and maths through 3D-printing in primary teaching and learning”

16:15 – 16:25 | Ms. Simona Coassin, Ms. Veronica Giannetti, Ms. Patrizia Giorgi, Ms. Carla Grimaldi, Ms. Maria Teresa Iesce, Ms. Lucia Marchini, Ms. Paola Novelli Ms. Maria Elena Priolo, Ms. Paola Luchesa, Ms. Lucia Rizzello, Ms. Maria Antonietta Scolozzi, Ms. Michela Vestito

Presentation by the teachers of the ISA 13 Istituto Comprensivo Sarzana “Overcoming mathematics learning difficulties through 3D and waste management

16:25 – 16:35 | Ms. Luciana Santos, Ms. Sonia Frade, Ms. Maria João Pereira

Presentation by the teachers of the Agrupamento de Escolas de Marrazes “The importance of 3D printing in math learning and environmental preservation”

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30th September 2021

PROGRAM



15:00 – 17:10 SECTION B: Experience & lessons learnt from 3D-ReMath Consortium
Moderator: Ms. Veronica Giannetti

16:35– 16:40 | Student from the 2nd Primary School of Chios

Student presentation (Greece)

16:40 – 16:45 | Student from the ISA 13 Istituto Comprensivo Sarzana

Student presentation (Italy)

16:45 – 16:50 | Student from the Agrupamento de Escolas de Marrazes

Student presentation (Portugal)



16:50 – 17:00 Q & A



17:00 – 17:10 Short Break

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17:10 – 19:00 SECTION C: Presentations by academia “Overcoming mathematics learning difficulties using technology & ecology”

Moderator: Dora Chatzi Rodopoulou

17:10 – 17:20 | Sofia-Niovi Maragkoudaki, Aikaterini-Georgia Mavroeidi, Panos Mazarakis, Stavros Stavridis, Angeliki Kitsiou, Christos Kalloniatis

“The impact of 3D printing on cultural organizations' ecological operation”

17:20 – 17:30 | Sofia Chanioti, Elpida Ferentinou, Eleftheria Klontza, Demetris Francis Lekkas

“Capacity building in circular economy – starting from Primary School”

17:30 – 17:40 | Patricia Ikouta-Mazza, Dimitris Papandreou, Maria Mavri

“3D Printing in Education: The case of Smart schools as a mean to achieve the Sustainable Development Goals on Smart Cities”

17:40 – 17:50 | Maria Koltsaki, Evgenia Fronimaki, Patricia Ikouta-Mazza

“The potential of 3D printing integration in educational system: a brief review of opportunities and challenges”



17:10 – 19:00 SECTION C: Presentations by academia “Overcoming mathematics learning difficulties using technology & ecology”

Moderator: Dora Chatzi Rodopoulou

17:50 – 18:00 | Evgenia Fronimaki, Athanasia Kadrefi, Maria Koltsaki, Dora Chatzi Rodopoulou, Maria Mavri

“Educational Scenarios on 3D printing and mathematics: the case study of Voronoi numbers”

18:00 – 18:10 | Maria Teresa Iesce, Michela Vestito

“Even Tetra Pak has a heart”

18:10 – 18:20 | Maria Teresa Iesce, Maria Elena Priolo, Paola Novelli, Veronica Giannetti, Beatrice Galli

“DigiGreen”

30th September 2021

PROGRAM



17:10 – 19:00 SECTION C: Presentations by academia “Overcoming mathematics learning difficulties using technology & ecology”

Moderator: Dora Chatzi Rodopoulou

18:20 – 18:30 | Maria Teresa Iesce, Paola Luchesa, Simona Coassin

“Giona: let's save the sea”

18:30 – 18:40 | Maria Mantzorou, Aspasia Serdari, Michail Kostopoulos, Constantinos Giaginis

“Diet quality impacts mental health aspects of university students”



18:40 – 18:50 Q & A



18:50 – 19:00 Closing Session

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Keynote Speakers



Keynote Speakers

Thursday 30.09. 2021



Maria Gkountouma
EU Political Affairs Assistant,
Representative of European
Commission, DG Education, Youth,
Sports and Culture (EAC)



Dr. Ioannis Antoniou
President of Institute of Educational
Policy (IEP)



Prof. George Karagiannidis
Department of Electrical and Computer
Engineering, AUTH
Greek Representative of European
Research Council



Filipe Santos
Teacher of Educational Technologies
Polytechnic of Leiria



Ourania Lampou
STEM Instructor, Global Educator
Greek Ministry of Education & Religious Affairs
Greek Astronomy & Space Company



Aris Mavrommatis
Department of Fine and Applied Arts,
School of Fine Arts
University of Western Macedonia



Registration Link:

<http://3dremath.aegean.gr/international-conference/>



Conference Zoom Link:

<https://aegean-gr.zoom.us/j/96952918541>



3D-ReMath Site Link:

<http://3dremath.aegean.gr/>

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