



HELLENIC REPUBLIC
Ministry of Education,
Research and Religious Affairs



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**REGIONAL DIRECTORATE OF PRIMARY & SECONDARY
EDUCATION OF CRETE**

KALATHAKI MARIA

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TO: 1. Science Teachers of West Crete
2. Teachers of Schools of my Scientific and Pedagogical Guidance

NOTIF: Regional Administration of Primary & Secondary Education of Crete
Administrations of Secondary Education of Chania and Rethymnon

SUBJECT: EDUCATIONAL CONFERENCE “TEACHING SCIENCES IN SCHOOLS WITH CREATIVITY AND INNOVATION: TRANSFORMING THE THEORY INTO PRACTICE”, Crete 8-10 December 2017, Greece-1st Announcement

Youth Education and Training is the investment of the societies for the future. Teaching in Schools with Creativity and Innovation is National and European Strategy targeting to the economic development and progress of local societies. European Union, in accordance to the international academic trends, direct the transformation and reconstruction of Science Curricula and Teaching Methodologies from the traditional of teacher-centered lessons to student-centered learning events. There is the need, Research, Education, and Training to cooperate locally, think and work globally in order to cultivate the future science, environmental, digital literate students.

The School Advisors for Science Teachers of West Crete and Engineers (Civil Engineers, Architects, Topographers) of Peripheral Administration of Primary & Secondary Education of Crete, the Scientific & Technological Park of Crete (STEP-C) of Foundation of Research & Technology Hellas (FORTH), the Physicists' Association of Crete, the Science Laboratory Center of Rethymnon, and the Centre for Political Research & Documentation (KEPET) of University of Crete organize the Educational Conference “Teaching Sciences in Schools with Creativity and Innovation: transforming the Theory into Practice” 8-10 December 2017 in Crete.

The Conference is addressed to Executives of the three levels of Education, Research Institutes, Governing Bodies, Organizations and Companies who invest to the future of the Young People. They are invited representatives from the fields of Education, Training, Research, Entrepreneurship, Governance and Policy, to present initiatives and plans in a peer conference, sharing knowledge and experience, wisdom and visions, with teachers of Crete. The participants to the Conference are both trainers and trainees in English Language.

Participation is optional, with the expenses to be covered individually by the participants.

The Conference is dedicated to Kritsotakis Emmanuel, Scientific and Pedagogical Chief Guidance, Department of Secondary Education, Regional Administration of Primary & Secondary Education of Crete, Greece who supported all the international initiatives of Science Training in West Crete during his tenure and died in August 2017.

THEMATIC FIELDS

STEM Education and Youth Entrepreneurship, Design Thinking, Science and Engineering practices, Science Communication and Media Literacy, Professional Development, Lifelong Learning and Training, Learning

Content Management, Research Strategies, Sustainable Development and Education, Development Infrastructure Projects, Leadership and Governance, Health Initiatives in Schools

COORDINATOR

Kalathaki Maria 00306946500408, kalathakimaria.edu@gmail.com

ORGANIZATION COMMITTEE

1. Androulakis Konstantinos, Director of European Center in Training for Employment (ECTE)
2. Archontaki Nektaria, Chemist, Teacher of Vrysses Gymnasium, Chania, Crete
3. Gagadeli Aikaterini, Physicist, Director of Vamos Gymnasium of Chania, Greece
4. Georgalis Georgios, Deputy Mayor of Rethymnon Municipality
5. Kalathaki Maria, School Advisor for Science Teachers, West Crete prefecture, Director of the Regional Training Center of Heraklion, Regional Administration of Primary & Secondary Education of Crete
6. Kampourakis Lambros, Deputy Education Counselor of Heraklion, Region of Crete
7. Kornilaki Erika, Director of the 1st Public Institute of Professional Training of Heraklion
8. Malandraki Kleanthi, Physicist, Director of the Gymnasium of Profitis Helias, President of the Physicists' Association of Crete
9. Papadakis Nikolaos, Professor & Director of the Centre for Political Research & Documentation (KEPET), Department of Political Science, Deputy Director of the Center for Research and Studies in Humanities, Social Sciences & Pedagogics (KEME), University of Crete
10. Paraschou Thodoris, Geologist, Teacher of 4th Gymnasium of Chania, Greece
11. Routzaki Athina, Physicist, Vice Director of Vamos Gymnasium, Chania, Greece
12. Saitakis Artemis, Director of the Scientific & Technological Park of Crete (STEP-C) of the Foundation of Research & Technology Hellas (FORTH)
13. Schoinoplokaki Evangelia, Chemist, Teacher of Kisamos Gymnasium of Chania, Greece
14. Taxakis Andreas, Director of Secondary Education of Rethymnon
15. Tsigkris Miltiadis, Head of the Science Laboratory Center of Rethymnon, Crete
16. Tzortzakis John, School Advisor for Engineers (Civil Engineers, Architects and topographers) of Crete, Peripheral Administration of Primary & Secondary Education of Crete

SCIENTIFIC COMMITTEE

1. Akkoyunlu Buket, Professor of Çankaya University and Private Ari Schools of Ankara, Turkey
2. Argiropoulou Eleftheria, Assistant Professor of Pre-school Education, University of Crete, Greece
3. Cakmakci Gultekin, Associate Professor, Faculty of Education, Department of Science Education, Hacettepe University, Ankara, Turkey
4. Cavas Bullent, President-Elect of the International Council of Associations for Science Education (ICASE), Associate Professor of Science Education Dokuz Eylul University, Faculty of Education, Department of Science Education, Buca-Izmir, Turkey
5. Efstratiou Adamandia-Maria, Assistant Professor of Marine Microbiology, Editor of Journal of Water and Health, Department of Marine Sciences, Aegean University, Lesvos, Greece
6. Kalathaki Maria, School Advisor for Science Teachers, West Crete prefecture, Director of the Regional Training Center of Heraklion, Regional Administration of Primary & Secondary Education of Crete, Greece
7. Kasimati Aikaterini, Professor of the School of Pedagogical and Technological Education, Scientific Head of the School of Pedagogical and Technological Education (ASPAITE)
8. Klonari Aikaterini, Associate Professor in Teaching Geography, Department of Geography, University of the Aegean, Lesbos, Greece
9. Krokidi Evangelia, School Advisor for Home Economics Teachers of Western Greece
10. Malandraki Kleanthi, Physicist, Director of the Gymnasium of Profitis Helias, President of the Physicists' Association of Crete
11. Matsopoulos Anastasios, Associate Professor in University of Crete
12. Meogrossi Piero, Architect, Retired Director of the Colosseo Reconstruction, Italy
13. Pantieras Nikolaos, Manager of Neapolis Hospital, Professor at the Department of Medical Professions. Lasithi, Crete

14. Papadakis Nikolaos, Professor & Director of the Centre for Political Research & Documentation (KEPET), Department of Political Science, Deputy Director of the Center for Research and Studies in Humanities, Social Sciences & Pedagogics (KEME), University of Crete
15. Saitakis Artemis, Director of the Scientific & Technological Park of Crete (STEP-C) of the Foundation of Research & Technology Hellas (FORTH)
16. Stavrou Dimitrios, Associate Professor of Science Teaching, Pedagogical Department of Primary Education, Director of the Science Teaching Laboratory, University of Crete
17. Tsigkris Miltiadis, Head of the Science Laboratory Center of Rethymnon, Crete
18. Tzortzakis John, School Advisor for Engineers (Civil Engineers, Architects and topographers) of Crete, Peripheral Administration of Primary & Secondary Education of Crete
19. Ucar Sedat, Associate Professor, Faculty of Education, Elementary Science Education, Cukurova University, Adana, Turkey
20. Zaneke Stergiani, Greek Literature Teacher of 1st Lyceum of Chania, Crete

CONFERENCE WEBSITE

<https://teachscisch.wordpress.com/>

DRAFT PROGRAM

FRIDAY 8 DECEMBER 2017

Regional Training Center of Heraklion

SESSION 1. OPENING CEREMONY

CHAIR Kalathaki Maria

16.30 Introduction and Welcoming of the Delegations

17.30 Treats offered by the Locals

SESSION 2. SCIENCE EDUCATION AND TRAINING: TRENDS AND PROSPECTS

CHAIR Kasimati Aikaterini

18.00 Key Note Speeches

SESSION 3. CULTURAL EVENT

CHAIR Krokidi Evangelia

20.00 Reception Ceremony for the Members of the Pedagogical Institute of Cyprus and honorary receiving of the donated books to the Library of the Regional Training Center of Heraklion

21.00 Multicultural Dinner with traditional food, music and dance offered by the Locals

SATURDAY 9 DECEMBER 2017

Regional Training Center of Heraklion

SESSION 4. SCIENCE LABORATORY TEACHING IN SCHOOLS

CHAIR Akkoyunlu Buket

10.00 Presentations

12.00 Treats offered by the Locals

SESSION 5. SCIENCE LABORATORY STRUCTURES IN SCHOOL TEACHING

CHAIR Cakmakci Gultekin

12.30 Presentations

14.00 Light Lunch offered by the Locals.

SESSION 6. EXCURSION

CHAIR

15.00 Excursion to Agios Nikolaos, Elounda. Free night

SUNDAY 10 DECEMBER 2017

Regional Training Center of Heraklion

SESSION 7. EXCURSION

CHAIR Cavas Bulent

09.00 PRESENTATIONS

12.00 Departure for Knossos, tour and guide in the archaeological site

15.00 Round Table with the subject "Jointed Initiatives in promoting Inquiry Based Learning in Schools"

16.30 Free afternoon and night

MONDAY 11 DECEMBER 2017

SESSION 8. EXCURSION

CHAIR Ucar sedat

09.00 Visit of the Environmental Center of Archanes, Presentation of the offered Education Programs

11.00 Treats offered by the Locals

11.30 Round Table with the subject "Technology in Science Teaching"

12.30 Conclusions. Closing Ceremony of the Conference

IMPORTANT DATES

31 October 2017 Confirmation of the Participation with the Abstract submission

5 November 2017 Announcement of the Final Program

6-10 December 2017 The Conference

Entries on the web link:

https://docs.google.com/forms/d/e/1FAIpQLSfqF_iB0bzT3SQ7nRA7weis3fbpOd_nGL7YFCdxuqfueBJZnA/vi_ewform

Honorably



Maria Kalathaki, Med, Ph.D
School Director of Primary & Secondary Education of Crete