



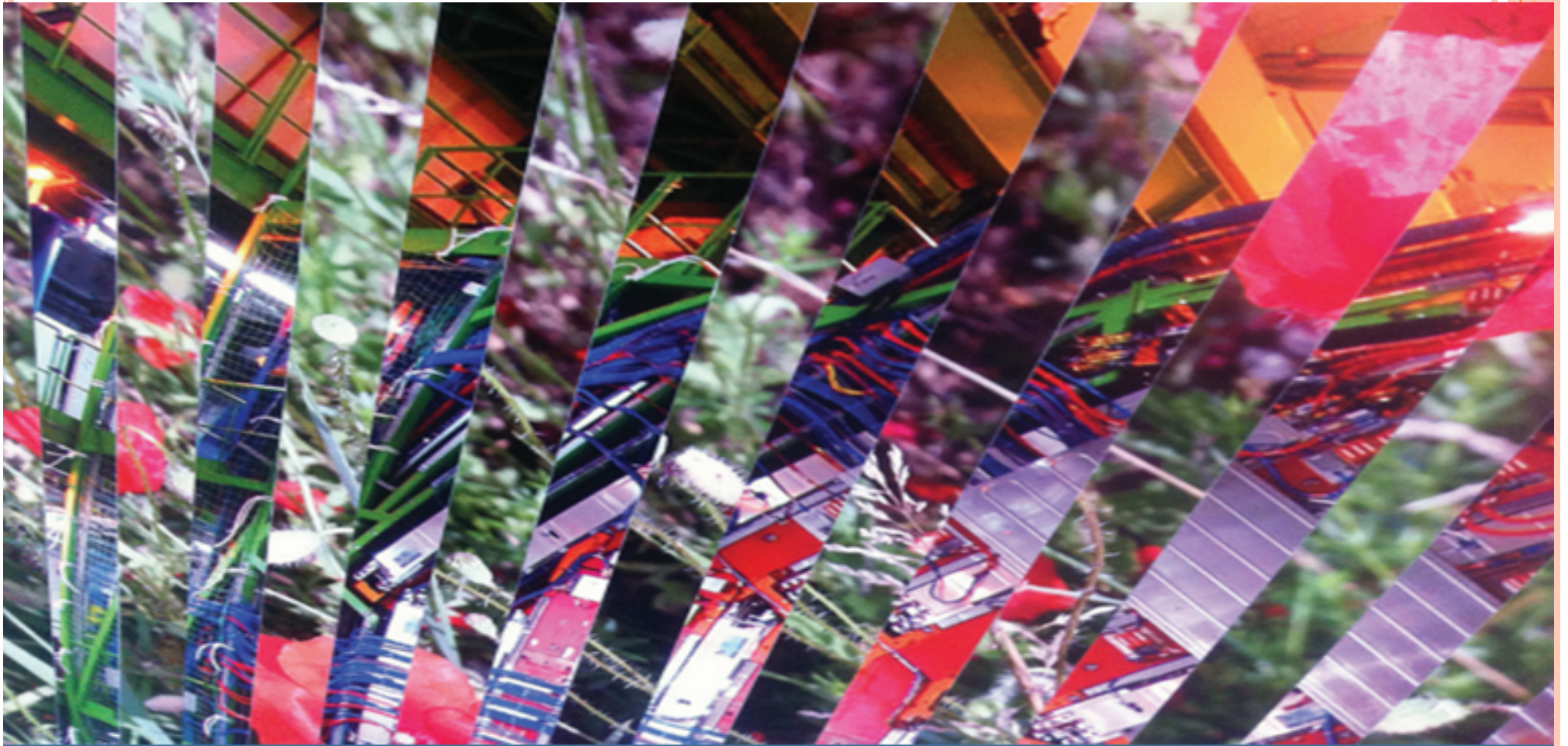
# FRONTIER

## SUMMER SCHOOL 2020

E. Chaniotakis,  
R&D Department Ellinogermaniki Agogi



ELLINOGERMANIKI AGOGI



**FRONTIERS SUMMER SCHOOL**  
**5-10 July 2020, Marathon, Greece**

# EVERY INFO YOU NEED: THE FRONTIERS SUMMER SCHOOL WEBSITE



[HOME](#) [ABOUT](#) [PROGRAMME](#) [VENUE](#) [FEES & FUNDING](#) [REGISTRATION](#) [ORGANIZERS](#) [CONTACT](#)



## Welcome to Frontiers Summer School 2020 [For Teachers](#)

Are you a Science teacher interested in integrating Modern Physics in the school curriculum? Do you believe that exciting discoveries such as the Discovery of Gravitational Waves or the Discovery of the Higgs Boson can be brought in the classroom in a consistent and understandable fashion? Do you want to become a member of a pan-European community of educators and researchers sharing the same goal?



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<http://frontiers.ea.gr/>

Welcome to Frontiers Summer School 2020

**For Teachers**

Are you a Science teacher interested in integrating Modern Physics in the school curriculum? Do you believe that exciting discoveries such as the Discovery of Gravitational Waves or the Discovery of the Higgs Boson can be brought in the classroom in a consistent and understandable fashion? Do you want to become a member of a pan-European community of educators and researchers sharing the same goal?



# THE VENUE

Golden Coast Hotel & Bungalows, an A-class/4-star sea-side hotel which stretches on the golden, sandy beach of the Marathon Bay, near the historic location of Marathon, at the outskirts of Athens.



# THE VENUE



# THE VENUE



# THE VENUE



WHAT DOES A SUMMER SCHOOL LOOK LIKE? A  
TYPICAL PROGRAMME FROM A PREVIOUS  
SUMMER SCHOOL ORGANIZED BY EA



WHAT  
TYPE

? A

PROGRAMME						
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
	8 July 2018	9 July 2018	10 July 2018	11 July 2018	12 July 2018	13 July 2018
09:30 to 13:00	<p><b>Participants' Arrivals @ Registration (from 14:00 on)</b></p>	<p><b>The pedagogical framework of CREATIONS: Creativity and Inquiry in Science Education</b> Prof. Zacharoula Smyrniou NKUA</p> <p><b>CERN in Primary school: The "Play with Protons" initiative</b> Elena Elliniadou "Playing with protons" initiative ambassador, headmistress of 2nd Primary school of Piraeus</p>	<p><b>Science Flash Mob: Create human sculptures related to scientific processes and methods</b> Michael Hoch art@CMS programme leader, CERN</p>	<p><b>Accelerating Colors: Gravity and art collaborate to create colorful images and patterns</b> Michael Hoch art@CMS programme leader, CERN</p>	<p><b>Learning Science Through Theater</b> Menelaus Sotiriou Science View</p> <p><b>Workshop: Designing creative and engaging school projects</b> Nikos Zygouritsas Giannis Alexopoulos Ellinogermaniki Agogi</p>	<p><b>Workshop: Developing creative and engaging school projects</b> Nikos Zygouritsas Ellinogermaniki Agogi</p> <p><b>Summer school participants' presentations of their CREATIONS demonstrators</b></p>
13:00 to 15:00	<b>RECESSION</b>					
15:00 to 17:30	<p><b>18:00-20:00</b> <b>Key Note Speeches</b></p>	<p><b>CERN in High school: Bringing Nobel Prize Physics in your classroom by using HYPATIA analysis tool</b> Prof. Christine Kourkoumelis IASA</p> <p><b>Visit at Cape Sounio, Sanctuary of Poseidon</b></p>	<p><b>Sonification of scientific data: How to transform experimental data to music.</b> Petros Stergiopoulos Manolis Chaniotakis Ellinogermaniki Agogi</p>	<p><b>Visit to the Acropolis Museum and the Acropolis</b> <b>Dinner at Plaka</b></p>	<p><b>Exploring EU funding opportunities: guidelines for submitting an Erasmus+ KA1 @ KA2 proposal</b> Sofoklis Sotiriou Ellinogermaniki Agogi</p> <p><b>Workshop: Developing creative and engaging school projects</b> Nikos Zygouritsas Ellinogermaniki Agogi</p> <p><b>Learning Science Through Arts show / final event</b> The CASE Project</p>	<p><b>Participants' departures</b></p>



# SUMMER SCHOOL MOMENTS










### ATLAS

- Particle tracks appear as lines on the detectors
- The length of each track is determined by particle type
- Each particle leaves a track only in specific detectors according to its type







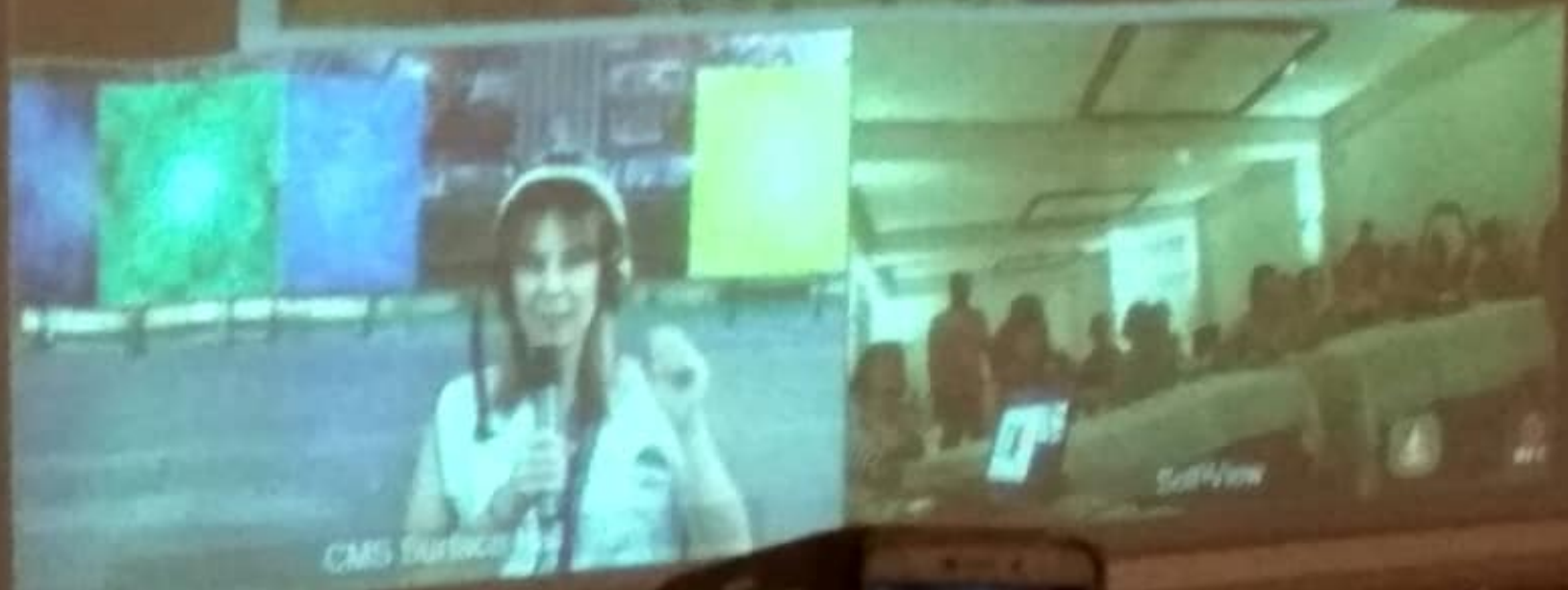




# Compact Muon Solenoid experiment at CERN



CMS Surface Hall

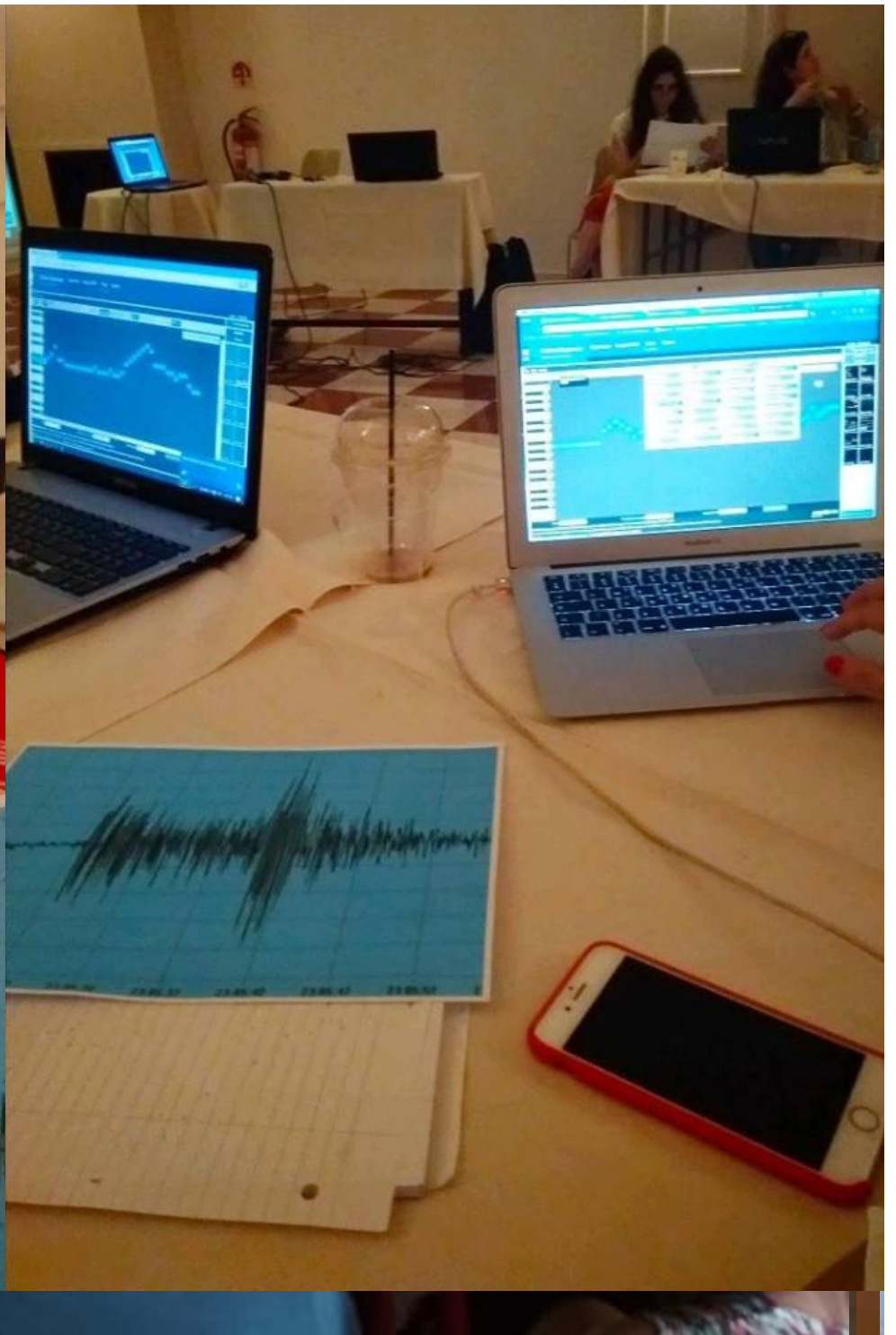
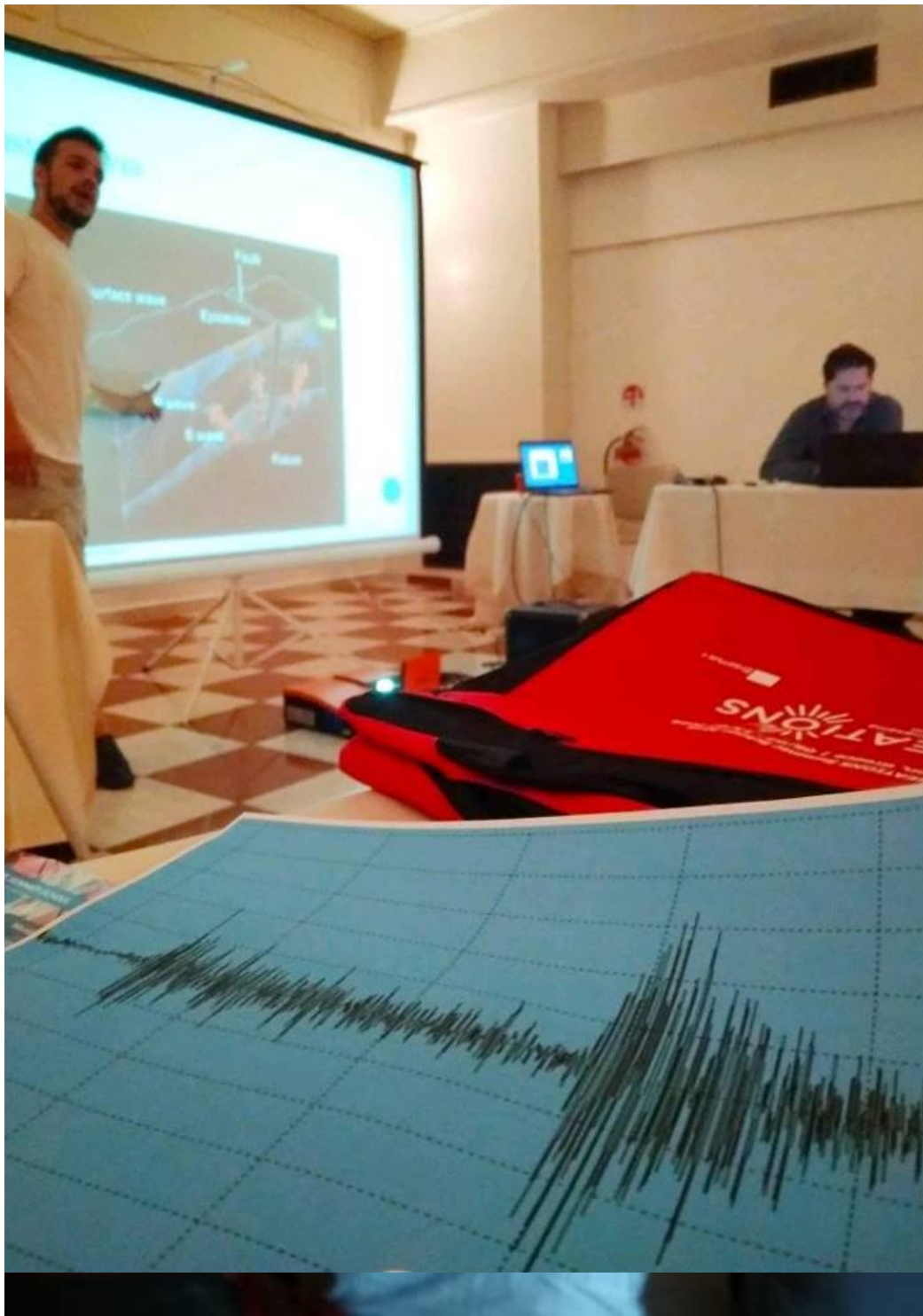


CMS Surface Hall

SelfView











# DISSEMINATION IN PREVIOUS SUMMER SCHOOLS



ELLINOGERMANIKI  
AGOGI



# DISSEMINATION IN PREVIOUS SUMMER SCHOOLS



08/01/2018

The CREATIONS Summer School 2018 which will take place at Marathon, Greece 08/07/2018 – 13/07/2018 introduces innovative approaches and activities that involve teachers and students in scientific research through creative ways that are based on art. The courses focus on the de

[read more>>](#)



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# DISSEMINATION IN PREVIOUS SUMMER SCHOOLS



08/01/2018

The CREATIONS Summer introduces innovative approaches and creative ways that are based on...  
[read more>>](#)

13 Μαρτίου 2017

## Η ΚΑΘΗΜΕΡΙΝΗ

ΕΛΛΑΔΑ

ΕΠΙΚΑΙΡΟΤΗΤΑ | ΑΠΟΨΕΙΣ | ΟΙΚΟΝΟΜΙΑ | ΠΟΛΙΤΙΣΜΟΣ | ΠΡΟΣΩΠΑ | ΠΕΡΙΟΔΙΚΟ "Κ" | ΦΩΤΟΓΡΑΦΙΑ | VIDEO | ΤΑΞΙΔΙΑ | MUST | ΓΑΣΤΡΟΝΟΜΟΣ | ΑΥΤΟΚΙΝΗΣΗ

ΕΡΕΥΝΕΣ | ΠΟΛΙΤΙΚΗ | **ΕΛΛΑΔΑ** | ΚΟΣΜΟΣ | ΠΕΡΙΒΑΛΛΟΝ | ΕΠΙΣΤΗΜΗ | ΤΕΧΝΟΛΟΓΙΑ | ΥΓΕΙΑ | ΑΘΛΗΤΙΣΜΟΣ | ΜΕ ΤΗΝ «Κ» | DISNEY

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ΕΛΛΑΔΑ 09.07.2016

### Δημιουργική συνάντηση εκπαιδευτικών

ΑΠΟΣΤΟΛΟΣ ΛΑΚΑΣΑΣ

ΕΚΤΥΠΩΣΗ  
ΑΠΟΘΗΚΕΥΣΗ  
COMMENTS  
MAIL  
TWITTER  
FACEBOOK  
INSHARE  
GOOGLE PLUS

**ΔΙΑΒΑΣΤΕ ΕΠΙΣΗΣ**

Ενωση Κεντρών: Περιορισμός των δαπανών του κοινοβουλίου με μείωση του αριθμού των βουλευτών σε 200

Πολωνία: Κλίση σε Τουσκ να καταθέσει ως μάρτυρας σε υπόθεση μυστικών υπηρεσιών

ΝΔ: Ο κ. Τσίπρας πέτυχε ως ψεύτης, αλλά απέτυχε ως

ΑΠΟΨΕΙΣ ΠΕΙΤΕ ΜΑΣ ΤΗ ΓΝΩΜΗ ΣΑΣ

Κύριο Άρθρο  
*Συναίνεση, όχι νταραβέρι*

Αλέξης Παπαχελάς  
*Ρεαλιστική*

Νίκος Κωνσταντάρης  
*Ο Φάουστ και ο Καθένας μας*

Κώστας Ιορδανίδης  
*Μήνυμα από την Αττάλεια*

Χρήστος Γιανναράς  
*Η παχυδερμία των ενόχων*

**ΔΙΑΒΑΖΟΝΤΑΙ ΠΕΡΙΣΣΟΤΕΡΟ**

Σήμερα Εβδομάδα Μήνας

- Σκληρή απάντηση Σχοινά σε Βαρουφάκη για το Grexit
- Εκρηκτική η κατάσταση στα Σκόπια
- Εγκαίνια για την απευθείας πτήση Αθήνα-Νέα Υόρκη της Emirates
- Σκίτσο του Ηλία Μακρή (12.03.17)
- Σκίτσο του Ανδρέα Πετρουλάκη (12.03.17)

# SOCIAL MEDIA COVERAGE



**CREATIONS**  
Summer School  
**2018**

Creations  
Summerschool  
2018  
@CREATIONS2018

Home  
Events  
Reviews  
About  
Videos  
Photos  
Posts

Like | Following | Share | ...

+ Add a Button

Write a post... | Photo Album | Live video

Write a post...

Photo/Video | Feeling/Activ... | Write Note | ...

Community

Invite friends to like your Page

Sofoklis Sotiriou, Fani Stylianidou and 43 others like this.

The screenshot shows a Facebook post from the page 'Creations Summer School 2018'. The main content is a group photograph of approximately 20 people, mostly women, standing on a balcony or terrace. Many of them are holding white certificates or diplomas. The group is diverse in age and appearance. The background shows a modern building with a white railing. Below the photo, there are standard Facebook interaction buttons: 'Like', 'Following', 'Share', and a three-dot menu. To the right of these buttons is a blue button that says '+ Add a Button'. Below the interaction buttons is a text input field for writing a post, with icons for 'Photo Album' and 'Live video' to its right. Underneath the text field are three buttons: 'Photo/Video', 'Feeling/Activ...', and 'Write Note', followed by another three-dot menu. To the right of the post area is a 'Community' section with the heading 'Invite friends to like your Page'. Below this heading are five circular profile pictures of users, followed by the text 'Sofoklis Sotiriou, Fani Stylianidou and 43 others like this.' On the left side of the screenshot, there is a navigation menu with the following items: 'Home', 'Events', 'Reviews', 'About', 'Videos', 'Photos', and 'Posts'. At the top left of the page, there is a large orange circle.

Overview

Promotions

Followers

Likes

Reach

Page views

Page previews

Actions on Page

Posts

Events

Videos

Stories

People

Messages

Page summary Last 28 days

Export Data

Results from 28 June 2018-25 July 2018

Note: Does not include today's data. Insights activity is reported in the Pacific time zone. Ads activity is reported in the time zone of your ad account.

Organic Paid

Actions on Page

27 June - 24 July



We don't have data to show you this week.

Page Views

27 June - 24 July

222

Total Page views 825%



Page previews

27 June - 24 July

99

Page previews 9,800%



Page Likes

27 June - 24 July

44

Page likes 1,367%



Reach

27 June - 24 July

6,344

People reached 6,374%



Recommendations

27 June - 24 July



We don't have data to show you this week.

Post engagements

27 June - 24 July

2,338

Post engagement 17,885%



Videos

27 June - 24 July

1,802

Total video views 100%



Page followers

27 June - 24 July

43


Page followers 1,333%



# HOW TO APPLY?

<http://frontiers.ea.gr/registration-0>

## REGISTRATION

 22 Oct, 2019

### PERSONAL INFO

First Name \*

Family Name \*

Email Address \*



## HOW DO SCHOOLS SECURE FUNDING?

- Teachers' and school leaders' participation in the FRONTIERS Summer School 2020 can be funded by the ERASMUS+ programme (Key Action 1, Mobility project for school education staff). **The deadline for application is February 5th, 2020 at 12:00 CET.**
- Although the type of action is entitled “LEARNING MOBILITY OF INDIVIDUALS”, the applications are submitted by the participant's schools – no individual applications can be submitted. Eligible countries for ERASMUS+ funding are the 28 EU member States, plus Iceland, Lichtenstein, Norway, Switzerland, Turkey and FYROM.

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All details needed can be found here:

<http://frontiers.ea.gr/fees-funding>

Important deadline for submission: **5 February 2020, 12:00 (noon), CET.**

**WE NEED TO START ATTRACTING TEACHERS NOW!**

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