

Corinth Rift Laboratory School–2026

(Patras-Nafpaktos September 25-29,
2026)

Programme

Friday 25 September 2026

Department of Physics, University of Patras

- 13:00 – 13:30** **Welcome to the CRL School 2024**
- 13:30 – 14:00** **Why CRL?**
Pascal Bernard, Institut de Physique du Globe de Paris - IPGP / CNRS, Paris, France
- 14:00 – 14:30** **Geodynamic setting, large earthquakes and the growth of faults in the western Corinth rift**
Ioannis Koukouvelas, University of Patras, Greece
- 14:30 – 15:00** **The geodetic monitoring of the Corinth Rift Observatory with GPS and SAR interferometry**
Pierre Briole, École normale supérieure / CNRS, Paris, France
- 15:00 – 15:30 Break**
- 15:30 – 16:00** **Seismic Parameters and Microseismicity in the Gulf of Corinth**
Eleftheria Papadimitriou, Aristotle University of Thessaloniki, Greece
Vasileios Karakostas, Aristotle University of Thessaloniki, Greece
- 16:00 – 16:30** **Large Earthquakes and Focal Mechanisms in the Gulf of Corinth**
George Kaviris, National and Kapodistrian University of Athens, Greece
- 16:30 – 17:00** **Off-shore faults imaging and monitoring in the Corinth Rift**
Maria Geraga, University of Patras, Greece
- 17:00 – 17:30** **From Research to Market: Turning Ideas into Community Impact**
Antonis Kassanos, Business Development Director, Uni Systems
- 17:30 - 18:00** **EGU, educational committee, activities supported by EGU**
Stavros Stathopoulos, Chair of EGU Education Committee

18:00 Departure to Nafpaktos (Akti Hotel)

Saturday September 26, 2026

08:30 Departure from Akti Hotel

Nafpaktia Conference room, Nafpaktos

08:45 – 09:00 **Welcome messages**

09:00 – 09:30 **Tectonics, structural setting and tectono-sedimentary processes in the Corinth Rift**

Haralambos Kranis, National and Kapodistrian University of Athens, Greece

09:30- 10:00 **Use of CRL Data for Detailed Seismological Studies**

Thimios Sokos, University of Patras, Greece

10:00 – 10:30 **Introduction to geological (outcrop) field trip of Sunday**

Haralambos Kranis, National and Kapodistrian University of Athens, Greece

10:30 – 11:10 Break

11:10 – 13:00 **Hands on GNSS measuring**

Panagiotis Elias, University of Patras, Greece

Aggeliki Marinou, School of Mining and Metallurgical Engineering, National Technical University

13:00 – 15:00 Lunch Break

15:10 – 15:20 Transport to hands-on lab

15:20 – 16:30 **Hands on simple seismic software package provided in the CRL portal**

George Kaviris, National and Kapodistrian University of Athens,
Angelos Zymvragakis, National and Kapodistrian University of Athens, Greece

16:30 – 17:30 **Introduce yourself (Students & Teachers)**

3mn per student + questions

17:30 – 21:30 Free time

20:45 – 21:45 **Sky gazing (in an area close the hotel Akti that will be announced shortly before)**

Fiori-Anastasia Metallinou, National Observatory of Athens, Greece

Drivas argyris, 3rd Junior High School of Nafpaktos, Astronomy Group of Nafpaktos, Greece

Sunday September 27, 2026

08:30 Departure from Akti Hotel

- 08:30 – 13:30** **Field trip at Psaromita (GNSS and seismic station), geologic stops along the journey**
Haralambos Kranis, National and Kapodistrian University of Athens, Greece
Panagiotis Elias, University of Patras, Greece
George Kaviris, National and Kapodistrian University of Athens, Greece

Arrival at Akti hotel

13:30 – 15:30 Lunch Break

- 15:30 – 16:00** **Discovering the dynamics of Corinth Gulf**
Bakopoulou, National and Kapodistrian University of Athens, Greece
A. Antonarakou, National and Kapodistrian University of Athens, Greece
- 16:00 – 16:30** **Best practices for Geosciences teaching in Mediterranean area**
E.Koutsopoulou, PhD Geologist, Teacher at Secondary Education/Patra

16:30 – 17:00 Break

- 17:00 – 17:30** **A Holistic Geo-education Framework for Secondary Students through Geoheritage-based Scavenger Hunts**
P.Koutsovitis, University of Patras, Greece
P.Petrounias, University of Patras, Greece
- 17:30 – 18:00** **Historical elements for sciences and observatories**
Fiori-Anastasia Metallinou, National Observatory of Athens, Greece
- 18:00 – 18:30** **The earthquake suitcase**
V. Kouskouna, National and Kapodistrian University of Athens, Greece
N. Sakellariou, National and Kapodistrian University of Athens, Greece

Monday September 28, 2026

09:00 Departure from Akti Hotel to 3rd Junior High School in Nafpaktos

- 09:30 – 10:30** **Earthquakes in the classroom**
Tripolitsiotou Olympia, MSc Geologist, Geology Teacher at Evangeliki Scholi Smyrnis
- 10:30 – 11:30** **Teaching Earthquakes in classroom with PISA framework and using open data, case study: active fault bases**
Kiki Makri, Phd Geologist, 26th Experimental Junior High School/Marasleio - Geological Society of Greece
- 11:30 – 12:30** **Incorporating the seismobox into school teaching - ELI's educational activities**
Fotis Danaskos, EGU GEFO for Greece/8th Junior High School
- 12:30 – 14:00** **Best practices from CRL's teachers**

14:00 – 14:50 Lunch Break

University Students

Nafpaktia Conference room, Nafpaktos

- 09:00 – 09:30** **Introduction to Satellite Geodesy**
Aggeliki Marinou, School of Mining and Metallurgical Engineering, National Technical University
- 09:30 – 10:00** **Introduction to satellite SAR interferometry**
Panagiotis Elias, University of Patras, Greece
- 10:00 – 10:30** **Seismic hazard in Greece with a focus in the Western Gulf of Corinth**
Angelos Zymvragakis, National and Kapodistrian University of Athens, Greece

10:30 – 11:00 Break

- 11:00 – 11:30** **Open Data, Data retrieval through EIDA node... + focal mechanisms**
Christos Evangelidis, National Observatory of Athens, Greece
- 11:30 – 12:00** **Applications of Machine Learning in Seismology**
Vasilis Kapetanidis, National and Kapodistrian University of Athens, Greece
- 12:00 – 12:30** **Multitemporal monitoring of active faults with close-range (t-LiDAR, UAS) remote sensing equipment**
Emmanouel Vasilakis, National and Kapodistrian University of Athens, Greece
- 12:30 – 13:00** **Physical mechanisms behind seismic site response - Some examples from Aegion**
Olga Ktenidou, National Observatory of Athens, Greece

13:00 – 14:30 Lunch Break

14:30 – 14:50 Transport to hands-on lab

- 14:50 – 17:00** **Follow-up Hands on GNSS measuring**
Panagiotis Elias, University of Patras, Greece
Aggeliki Marinou, School of Mining and Metallurgical Engineering, National Technical University

Tuesday September 29, 2026

08:30 Departure from Akti Hotel

Laboratory of Seismology, University of Patras

- 09:30 – 10:00** **Relative Sea level changes in the Corinth Gulf during the late Holocene**
Niki Evelpidou, National and Kapodistrian University of Athens, Greece Anna Karkani, National and Kapodistrian University of Athens, Greece
- 10:00 – 10:30** **Earthquake structural response of Rion Antirion Bridge: 15yrs of continuous structural surveillance through permanent instrumentation system**
Akis Panagis, GEFYRA S.A., Greece
- 10:30 – 11:00** *Move from Seismology Laboratory to Department of Geology*
- 11:00 – 11:30** **Recent sedimentary processes in the Gulf of Corinth. Seismic and aseismic turbidites**
Spyros Sergiou, University of Patras, Greece
- 11:30 – 12:10** **(parallel groups of ~10) Laboratory class for coring study**
Spyros Sergiou, University of Patras, Greece
- (parallel groups of ~10) Laboratory class: Study of archaeomaterials in "KERAMos Lab"**
Ioannis Iliopoulos, University of Patras, Greece
Vaia Xanthopoulou, University of Patras, Greece
- 12:10 – 14:00 Lunch at the cafeteria near the department of Physics**
- 14:00 – 15:00** *Drive to the Helike Fault*
- 15:00 – 17:00** **Field trip to the Helike fault**
Emmanouel Vassilakis, National and Kapodistrian University of Athens, Greece

End of the CRL School 2026 - School Bus to the city of Aigion and to Nafpaktos

[See the timetable for buses from Aigio to Athens](#)