



## Dragos Tataru

Date of birth: 24/05/1981 | **Nationality:** Romanian | **Gender:** Male | (+40) 0720031436 |

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Calugareni Street, 12, 077125, Magurele, Romania

About me: Senior Researcher in the Seismic Network Department of National Institute for Earth Physics (INFP) in Romania. For the past four years I was leading the educational and outreach direction developed by NIEP. I have a strong background in seismology with more than 15 years of work experience in the seismology research field on topics like seismicity analysis, seismic velocity structure investigation using innovative techniques and science education and outreach.

### WORK EXPERIENCE

2006 – CURRENT – Magurele, Romania  
**SEISMOLOGIST** – NATIONAL INSTITUTE FOR EARTH PHYSICS

Seismological database management  
Geophysical data processing and analysis  
Seismicity analysis, seismic velocity structure investigation using innovative techniques and array analyses  
Coordinator of 24/7 earthquake monitoring and informational service  
Informing, Education and Outreach activities

01/08/2020 – 31/01/2021 – Bucuresti, Romania  
**EXPERT OPȚIONALE INTEGRATE** – CENTRUL NAȚIONAL DE POLITICI ȘI EVALUARE ÎN EDUCAȚIE

### EDUCATION AND TRAINING

09/2005 – 04/2010 – Bucharest, Romania  
**PHD DEGREE IN PHYSICS** – Faculty of Physics University of Bucharest

09/2004 – 06/2005 – Bucharest, Romania  
**MASTER'S DEGREE IN ENGINEERING GEOLOGY** – Faculty of Geology and Geophysics University of Bucharest

09/1999 – 06/2004 – Bucharest, Romania  
**BACHELOR'S DEGREE IN GEOPHYSICS** – Faculty of Geology and Geophysics University of Bucharest

### PROJECTS

2021 – CURRENT  
**CRESCENTO** - Increasing the research capacity in the field of seismology and engineering seismology at the Seismological observatories and stations within the National Seismic Network

POC 2014-2020 Axa 1 | **Assistant manager**

2021 – CURRENT  
**SETTING** - Integrated thematic services for Earth Science Observation - a national platform for innovation

[POC Axa1 ESFRI-ERIC](#) | **Project Coordinator**

2021 – CURRENT

**ReCoN-nect - The Green Deal: Research communication to CommuNities**

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[H2020-235743](#) | [GrantID 101036166](#) | **Partner coordinator**

2021 – CURRENT

**TE-DISSA - Data-intensive study of intermediate-depth and shallow seismic activity in Romania: from regular earthquakes to tectonic tremor**

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[PN-III-P1-1.1-TE-2019-1797](#) | **Key expert**

2020 – CURRENT

**ARISTOTLE-eENHSP - All Risk Integrated System TOWards Trans-boundary hoListic Early-warning - European Natural Hazards Scientific Partnership**

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[EC DG ECHO](#) | **Partner coordinator**

2020 – CURRENT

**PREVENT - Open system for integrated civil structures monitoring**

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[PN-III-P2-2.1-PED-2019-0832](#) | **Key expert**

2019 – CURRENT

**MULTIRISC - Cercetări multidisciplinare ale fenomenului seismic în vederea creșterii rezilienței la cutremure**

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PN 19080201 Dezvoltarea și implementarea de noi instrumente pentru seismologia în timp real și de transfer al produselor și rezultatelor cercetării către potențiali beneficiari | coordonator de faza proiect | o Servicii pentru facilitarea accesului la date, produse și indicatori de monitorizare în timp real a fluxurilor de operare din cadrul comandamentului seismic al INCDFP

2018 – 2021

**STIM - School Tune into Mars**

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[Erasmus+ 2018-1-FR01-KA201-047878](#) | **Partner coordinator**

2018 – 2021

**Extensive use of experience in space and security activities**

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[PN-III-P1-1.2-PCCDI-2017-0371](#) | **Key expert**

2018 – 2020

**ARISTOTLE2 - All Risk Integrated System TOWards The hoListic Early warning - Partner coordinator**

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[EC DG ECHO](#) | **Partner coordinator**

2019 – 2020

**DoReMi-Ro - Doing Research at Midnight in Romania Researchers@Night**

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[H2020-EU.1.3](#) | [GrantID: 954638](#) | **Partner coordinator**

01/05/2018 – 31/12/2019

**Handle with Science**

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[H2020-MSCA-NIGHT-2018](#), [GrantID 818795](#) | **Partner coordinator**

2018 – 2019

**CIRRUS Cercetari avansate privind monitorizarea si modelarea fenomenului seismic si reducerea riscului seismic – Cod: 18 15**

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Cod 18 15 Faza 0201 Dezvoltarea sistemului automat de monitorizare (SiAM) a seismicității utilizând metode avansate de detectare, localizare și caracterizare a surselor seismice (Poiata N., Tataru D., Grecu B.)

2017 – 2019

**SERA - The Seismology and Earthquake Engineering Research Infrastructure Alliance for Europe**

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H2020-EU.1.4.1.2. | GrantID 730900 | Key Expert in [WP3 Networking Seismo@school outreach programs \(NA1\)](#)

2016 – 2019

**ERIS - Exploitation of Research results in School Practice**

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EU ERASMUS + | **Key Expert**

2016 – 2018

**ARISTOTLE: All Risk Integrated System TOWARDS The hoListic Early warning**

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EC DG ECHO "Pilot project in the area of Early Warning System for natural disasters" OJ 2015 S/154-283349 | **Partner coordinator**

2015 – 2018

**EPOS IP - European Plate Observing System**

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H2020-EU.1.4.1.1. | GrantID 676564 | Researcher

2014 – 2018

**TRAPAWA - 3d distribution of seismic wave velocities in the upper lithosphere of the Transylvanian depression and Pannonian basin in Romania**

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PN-II-PT-PCCA-2013-4-1812 | Key Expert

2016 – 2017

**CREATOR Cercetări multidisciplinare avansate pentru monitorizarea si modelarea fenomenului seismic si reducerea efectelor acestuia**

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Cod: 16 35 **Coordonator tema** 03 02- [Cercetări inovative privind caracterizarea seismicității naturale si antropice utilizând date si tehnici multidisciplinare](#)

2015 – 2017

**Advanced research on ambient seismic noise field in Romania**

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[PN-II-RU-TE-2014-4-0701](#) | Key Expert

2014 – 2017

**VRAGEO - Integrated seismic hazard information platform for Vrancea zone surveillance through advanced geospatial and in-situ methodologies**

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PN-II-PT-PCCA-2013-4-0036 | Key Expert

2014 – 2016

**MOBEE - Earthquake Mobile Exhibition**

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[PN-II-RU-TE-2014-4-0701](#) | **Project coordinator**

2012 – 2016

**ROEDUSEIS - Romanian Educational Seismic Network**

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[PN-II-PT-PCCA-2011-3.2-1138](#) | **Project coordinator**

2009 – 2015

**CEERS Cercetari complexe privind evaluarea si reducerea riscului seismic pe teritoriul Romaniei**

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PN 09 30 02 04 Coordonator proiect "Cercetări privind structura de adâncime si modele de viteza pentru stațiile rețelei seismice utilizând metoda funcției receptor"

2012 – 2014

**ESNET - BlackSea Earthquake Safety Net(work)**

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2007 - 2013 Black Sea Basin ENPI CBC | MIS code: 250/1.2.1.65963.80 | **Assistant Manager**

2010 – 2014

**EPOS PP European Plate Observing System**

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FP7-INFRASTRUCTURES, Grant ID 262229 | Researcher

2010 – 2014

**NERA - Network of European Research Infrastructures for Earthquake Risk Assessment and Mitigation**

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FP7-INFRASTRUCTURES, Grant ID: 262330 | PhD student member

2009 – 2013

**SCP - South Carpathian Project**

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NERC Grant NE/G005931/1 | Researcher

2006 – 2010

**NERIES Network of Research Infrastructures for European Seismology**

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FP6-INFRASTRUCTURES, Grant agreement ID: 26130 | PhD member

2006 – 2009

**SAFER Seismic Early Warning for Europe**

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FP6-SUSTDEV | GrantID: 36935 | PhD student

2007 – 2008

**Integration of the Romanian local lithosphere models into the reference European seismological model (280/2007)**

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PN-II-RU - TD-2007-1 Proiecte de cercetare pentru tineri doctoranzi | **Project manager**

## ● PUBLICATIONS

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**The effect of 2020 COVID-19 lockdown measures on seismic noise recorded in Romania**

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Bogdan Grecu, Felix Borleanu, Alexandru Tiganescu, Natalia Poiata, Raluca Dinescu and Dragos Tataru  
<https://doi.org/10.5194/se-12-2351-2021> – 2021  
Solid Earth, 12, 2351–2368, 2021

## **GPS processing tools for better impact assessment of earthquakes in Romania**

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Năstase E. I., Muntean A., Nistor S., Grecu B., Tătaru D.  
<http://rrp.nipne.ro/2020/AN72707.pdf> - 2020

## **The seismic simulator as a didactic tool for seismic education**

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Vanciu-Rău A., Țigănescu A., Tătaru D., Rău D.  
<http://doi.org/10.1063/5.0001037> - 2020  
AIP Conference Proceedings **2218**, 060004

## **Crustal structure of the Carpathian Orogen in Romania from receiver functions and ambient noise tomography: how craton collision, subduction and detachment affect the crust**

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Petrescu, L., Stuart, G., Tataru, D., & Grecu, B.  
<https://doi.org/10.1093/gji/ggz140> - 2019  
Geophysical Journal International, 218(1), 163-178

## **Analysis of seismic noise in the Romanian-Bulgarian cross-border region**

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Bogdan Grecu, Cristian Neagoe, Dragos Tataru, Felix Borleanu & Bogdan Zaharia  
<https://doi.org/10.1007/s10950-018-9767-4> - 2018  
Journal of Seismology volume 22, pages 1275-1292

## **Characterization of site conditions for selected seismic stations in eastern part of Romania**

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Grecu B, Zaharia B, Diaconescu M, Bala A, Nastase E, Constantinescu E, Tataru D.  
<https://doi.org/10.1007/S11600-018-0117-2> - 2018  
Acta Geophysica. 2018 Apr;66(2):153-65.

## **Improved Crustal Structure Models in Western Part of Romania: A Step Forward to Assessment of the Seismic Risk in an Earthquake Endangered Country**

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Bala A., Tătaru D., Grecu B.  
[https://doi.org/10.1007/978-3-319-70548-4\\_546](https://doi.org/10.1007/978-3-319-70548-4_546) - 2018  
Advances in Science, Technology & Innovation (Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions, vol I and II), 1891-1893

## **MOBEE: a science campaign to urge earthquake preparedness in quake-prone countries,**

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Tataru, D.; Toma-Danila, D.; Nastase, E.  
2017  
SGEM2017 Conference Proceedings, ISBN 978-619-7408-11-9 / ISSN 1314-2704, Vol. 17, Issue 54, 121-128 pp

## **Crustal Models Assessment in Western Part of Romania Employing Active Seismic and Seismologic Methods**

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Andrei Bala, Dragos Toma-Danila, Dragos Tataru and Bogdan Grecu  
<https://iopscience.iop.org/article/10.1088/1755-1315/95/3/032026> - 2017  
IOP Conference Series: Earth and Environmental Science, Volume 95, Issue 3

## **Romanian Seismic Network: from Earthquake Monitoring to its Role in Decision Making**

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Grecu B., Toma-Danila D., Tataru D., Ionescu C, Danet A., Vol. 17, pp. 121-128  
2017  
International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM

## **Seismology in Romanian Schools: education, outreach, monitoring and research**

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Tataru D., Zaharia B, Grecu B., Tibu S., Brisan N., Georgescu E.S.  
[http://www.rrp.infim.ro/2016\\_68\\_4/A22.pdf](http://www.rrp.infim.ro/2016_68_4/A22.pdf) - 2016  
ROMANIAN REPORTS IN PHYSICS Volume: 68 Issue: 4 Pages: 1589-1602, 2016

## **Characterization of Seismic Sources Using Large Seismic Datasets-Galati Pilot Area**

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Tătaru D., Poiată N., Grecu B., Radulian M., Popa M.

<http://doi.org/10.5593/SGEM2016/B13/S05.052> – 2016

16th International Multidisciplinary Scientific Geoconference, SGEM 2016: Science and Technologies in Geology, Exploration and Mining, vol III, p. 411-418

## **Seismic Mitigation Through Education: The MOBEE (Mobile Earthquake Exhibition) Experience**

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Tătaru D., Toma-Dănilă D., Năstase E.

<http://doi.org/10.5593/SGEM2016/B53/S22.126> – 2016

16th International Multidisciplinary Scientific Geoconference, SGEM 2016: Science and Technologies in Geology, Exploration and Mining, vol III, 985-992,

## **Study of Local seismic Events in western Part of Romania Using Data from SCP Experiment**

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Zaharia B., Grecu B., Tătaru D., Oros E.

<http://doi.org/10.5593/SGEM2016/B13/S05.079> – 2016

16th International Multidisciplinary Scientific Geoconference, SGEM 2016: Science and Technologies in Geology, Exploration and Mining, vol III, 623-630

## **Hand on Activity" Building Your Own Seismometer in Classroom**

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Zaharia B., Șerbu F., Tătaru D., Grecu B., Năstase E.

<http://doi.org/10.5593/SGEM2016/B13/S05.079> – 2016

16th International Multidisciplinary Scientific Geoconference, SGEM 2016: Science and Technologies in Geology, Exploration and Mining, vol III, 623-630

## **New science education initiative brings seismology into the classroom and museums**

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Tătaru D., Grecu B., Zaharia B., Toma-Dănilă D., Năstase E., Muntean A., Partheniu R.

<https://www.sgem.org/sgemlib/spip.php?article6629> – 2015

15th International Multidisciplinary Scientific Geoconference SGEM 2015, 973-980

## **New insights into the seismicity and crust structure of western Romania using different analysis techniques**

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Tătaru D., Grecu B., Zaharia B., Toma-Dănilă D., Năstase E., Muntean A., Partheniu R.

<https://sgem.org/sgemlib/spip.php?article5565&lang=en> – 2015

15th International Multidisciplinary Scientific Geoconference SGEM 2015, 973-980

## **Crustal models in romania - I. Moesian platform**

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Raileanu, V; Tataru, D; Grecu, B.

2012

[Romanian Reports in Physics, Volume: 64 Issue: 2 Pages: 539-55](#)

## **Crustal models in Romania-II. Moldavian Platform and adjacent areas.**

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Raileanu, V., Tataru, D., Grecu, B. and Bala, A.

2012

[Rom J Phys, 57\(9-10\), pp.1438-1454.](#)

## **Seismic Noise Characteristics at the Romanian Broadband Seismic Network**

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Bogdan Grecu, Cristian Neagoe, Dragos Tataru

<https://doi.org/10.1080/13632469.2011.642931> – 2012

Journal of Earthquake Engineering, 16:5, 644-661

## Estimation of site effects in the eastern part of Romania on the basis of H/V ratios of S and coda waves generated by Vrancea intermediate-depth earthquakes

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Greco, B., Raileanu V., Bala A., Tataru D.  
[http://www.rrp.infim.ro/2008\\_60\\_1/13-131-144.pdf](http://www.rrp.infim.ro/2008_60_1/13-131-144.pdf) – 2011  
*Rom. J. Phys.* 56 (2011): 563-577

## Investigation of the Noise Cross-correlations at Three Romanian Broadband Seismic Stations

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B. Greco, D. Tataru, V. Raileanu, C. Neagoe  
2008  
6th Congress of Balkan Geophysical Society - Budapest, Hungary, EAGE Book of extended abstract

## Estimation of the local response using the Nakamura method for the Bucharest area

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Zaharia, B., Radulian, M., Popa, M., Greco, B., Bala, A., & Tataru, D  
[http://www.rrp.infim.ro/2008\\_60\\_1/13-131-144.pdf](http://www.rrp.infim.ro/2008_60_1/13-131-144.pdf) – 2007  
*Romanian Reports in Physics*, 60(1), 131-144.

## ORGANISATIONAL SKILLS

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### Projects and infrastructure management

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Very good organizational / managerial skills proved by coordinating national partnership programs and being involved in many other as a partner leader or project member (more than 20).

2021 - Member of Coordination Team ARISTOTLE- eENHSP "enhanced European Natural Hazard Scientific Partnership"  
2018 - **Utilizarea Platformei Informatice Integrate**, training organizat de MCI, UEFISCDI si INCSMPS in cadrul proiectului "Dezvoltarea capacitatii administrative a MCI de implementare a actiunilor stabilite prin SNCDTI 2014-2020  
2018 - **RESINFRA@DR Training to build capacity for evaluation, planning, monitoring, operation and management of research infrastructures**, Bucharest, Romania  
2015 - "**Implementarea de tehnologii moderne TIC pentru monitorizarea electronica a datelor privind activitatile si infrastructurile din domeniul cercetarii si dezvoltarii**", Bucuresti, 07- 08.12.2015  
2014 – Project Manager Certificate ( I/no.00379403), cod COR 242101  
2014 – „Writing and management of ERASMUS + proposal" specialization course

### Conferences and other events

Geoscience 2021, 6th Symposium, Hybrid edition, Bucharest, 10-11 December 2021 - member of the Steering Committee

Balkan Geophysical Society 2021, Online edition, member of [Local Advisory Committee](#)

Geoscience 2020, online edition, member of [Organizing Committee](#)

Seria anuala de evenimente "**4 martie- O zi despre cutremure:perspective de reducere a riscului seismic**", **organizator**

*Online training Earth science data analysis using Python & Jupiter Notebook*, GEOSCIENCE 2020 International Symposium, 22.11.2020

**ELSEDIMA2016 International Conference - Round Table Integrated Approach on Natural Risk Management based on Operational Centers and Research Institutes' Perspective, Cluj, Romania**

## CONFERENCES AND SEMINARS

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19/09/2021 – 24/09/2021 – European Seismological Commission, Corinth, Greece

**Prove and improve using a seismology summer school for high school students and teachers**

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Dragos Tataru, Bogdan Zaharia, Eduard Nastase, Bogdan Greco, Alexandru Tiganescu, Dragos TomaDanila, Adina Vanciu-Rau

2021 – European Seismological Commission, Corinth, Greece

**School Tune into Mars - an educational journey to the Red Planet**

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Dragos Tataru, Eduard Nastase, Bogdan Zaharia

2020 – European Geoscience Union, Vienna, Austria

**Automatic monitoring of crustal seismic activity in Galati region of southeastern Romania using full waveform-based approach, EGU General Assembly 2020, Online, 4–8 May**

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Tataru, D., Poiata, N., and Grecu, B.

2020 – GEOSCIENCE International Symposium

**Education for Geoscience - A STEM (online) summer program for undergraduates**

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Dragos Tataru, Eduard Nastase, Bogdan Zaharia, Alexandru Tiganescu, Dragos Toma-Danila, Adina Rau, Bogdan Grecu

2019 – EDULEARN19, the 11th annual International Conference on Education and New Learning Technologies

**Citizen seismology in the classroom and beyond**

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Tataru D. , Zaharia B. , Nastase E.

2019 – EDULEARN19, the 11th annual International Conference on Education and New Learning Technologies

**Strengthening the links between research and education through a STEM Summer School program**

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Tataru D., Popovici A. , Popovici B., Mironov C. , Straticiu M.

2019 – 10th Congress of the Balkan Geophysical Society, Albena, Bulgaria

**Using expert advice and research tools in support for decision making and society awareness**

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Tătaru D., Toma-Dănilă D., Grecu B.

10/07/2018 – 13/07/2018 – 18th International Balkan Workshop on Applied Physics, Constanța

**Physiscs webinars in support for STEM disciplines**

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**Tataru D.**, Popovici B, Bercu V., Zus R., Zus M., Bulinski M.

17/05/2018 – 19/05/2018 – 12th ELSEDIMIA International Conference, Cluj

**Could we define performance indicators related to public awareness & training for seismic safety?**

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**Tataru D.**, Toma-Danila D., Nastase E., Grecu B.

2018 – 36th General Assembly of the European Seismological Commission, ESC, Malta

**Lesson learned from educational seismology projects in Romania and how to step up from seismology@school to citizen seismology**

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Tataru D., Toma-Danila D., Grecu B., Nastase E.

2018 – 18th International Multidisciplinary Scientific GeoConference SGEM2018, Bulgaria

**Research based technologies and products for seismic risk reduction in Romania**

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Tataru D., Toma-Danila D., Grecu B., Nastase E.

2018 – 18th International Balkan Workshop on Applied Physics, Constanța, Romania

**Physiscs webinars in support for STEM disciplines**

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Tataru D., Popovici B, Bercu V., Zus R., Zus M., Bulinski M.

2018 – SCIENTIX Conference, Brussels, Belgium

**Enriching STEM education projects by adding a citizen science dimension (ROEDUSEIS, MOBE and SERA)**

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Tataru D.

2017 – International Multidisciplinary Scientific Conference on Earth and Planetary Sciences - SGEM2017  
**Optimization of earthquake detection and location in areas with low and complex seismicity**

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Tataru D., Poiata N., Grecu B.

2017 – 17th International Multidisciplinary Scientific GeoConference, Bulgaria  
**MOBEE: a science campaign to urge earthquake preparedness in quake-prone countries**

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Tataru D. , Toma-Danila D. , Nastase E.

2017 – 10th annual International Conference of Education, Research and Innovation – ICERI, Spain  
**Seismolaboratories – An open doors and direct links from research to Earth science education**

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Tătaru D., Zaharia B., Grecu B.

03/09/2016 – 11/09/2016 – “35th General Assembly of the European Seismological, 3-11 septembrie 2016, Trieste, Italy  
**4 years of seismology in school activities in Romania**

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**D. Tataru**, B. Zaharia, B Grecu

03/09/2016 – 11/09/2016 – 35th General Assembly of the European Seismological Commission  
**Can we do something different to enhance public awareness on earthquakes? MOBEE - a new and innovative approach!**

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**Tataru D.**, Toma-Danila D., Nastase E

26/05/2016 – 28/05/2016 – ELSEDIMIA International Conference, Cluj, Romania  
**Delivering Earthquake Information for Disaster Support Management Systems and the Role of Earthquake Monitoring in Decision Making**

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**Tataru D.** et al

2016 – ICERI 2016 Proceedings, ISBN: 978-84-617-5895-1, pp. 4534-4541 (ISI Proceedings)  
**Empowering STEM careers awareness through seismology educational research projects**

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Toma-Danila D., Nastase E, Zaharia B., Grecu B.

2016 – 9th International Conference of Education, Research and Innovation, Book Series, p.4585, Spain  
**Geophysical Open Data as an Educational Resource for Students**

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Tătaru D., Năstase E., Toma-Dănilă D.

2016 – 9th International Conference of Education, Research and Innovation, Book Series, 4534-4540, Spain  
**Empowering Stem Careers Awareness Through Seismology Educational Research Projects**

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Tătaru D., Toma-Dănilă D., Năstase E., Zaharia B., Grecu B.

2015 – 15th International Balkan Workshop on Applied Physics and Materials Science, Constanta, Romania  
**How earthquake related data can be used in schools for physics learning and disaster preparedness?**

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**Tataru D.**, Grecu B., Zaharia B., Nicoleta B., Tibu S., Costin D.

2015 – 15th International Multidisciplinary Scientific GeoConference SGEM2015, Bulgaria  
**New science education initiative brings seismology into classrooms and museums**

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Tataru D., Grecu B., Zaharia B., Toma-Danila D., Nastase E.

2015 – 8th 13th annual International Conference of Education, Research and Innovation, ICERI, Spain

**Mobile earthquake exhibition - a non-formal environment suit for geophysical education and raising awareness**

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Tataru D., Toma-Danila D., Nastase E. , Muntean A., Partheniu R.

2014 – EGU General Assembly, Vienna, Austria

**Crustal thickness variation beneath the Romanian seismic network from Rayleigh wave dispersion and receiver function analysis**

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Tataru D., Grecu B., and Zaharia B.

2014 – Second International Conference on NATURAL AND ANTHROPIC RISKS, Bacau, Romania

**Minimizing seismic risk through information, education and communication programs**

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**Tataru D.**, Balan SF, Zaharia B., Grecu B.

2014

**Earth science education and outreach activities as part of a new generation of projects**

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The 5th National Conference of Earthquake Engineering and The 1st National Conference on Earthquake Engineering and Seismology

**Tataru D.**, Ionescu C., Balan St. F., Zaharia B., Grecu B.

2013 – EGU General Assembly, Vienna, Austria

**Romanian Educational Seismic Network Project**

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Tataru D., Ionescu C., Zaharia B., Grecu B., Tibu S., Popa M., Borleanu F., Toma D., Brisan N., Georgescu E. S. , Dobre D, and Dragomir C. S.

2013 – The 13th International Balkan Workshop on Applied Physics and Materials Science, Constanta, Romania

**National Institute for Earth Physics – Education and Public Outreach Activities**

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04/2013 – EGU General Assembly, Vienna, Austria

**Romanian educational seismic network: educational tool for increasing awareness of seismic risk**

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Tataru D., Ionescu C., Zaharia B., Grecu B., Tibu S., Popa M., Borleanu F., Toma D., Brisan N., Georgescu E. S. , Dobre D, and Dragomir C. S.

2012 – EGU General Assembly, Vienna, Austria

**Revealing the crust of western Romania using CCP technique**

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Tataru D., Stuart G., Grecu B.

2011 – European Geoscience Union

**Crustal structure of the Transylvanian Basin and South Carpathian mountains, Romania, from receiver function analysis**

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Tataru D., Grecu B., Raileanu V., Stuart G. and Houseman G

2010 – Congress of the Balkan Geophysical Society, Salonic, Greece

**New insights into the lithosphere beneath the Romanian seismic network from Rayleigh wave dispersion and receiver function analysis**

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Tătaru D., Grecu B., Raileanu V.

2010 – Simpozionul Național de Geologie și Geofizică GEO2010

**Joint inversion of receiver function and surface wave dispersion curves for S-velocity structure at the Romanian broad-band stations**

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Tătaru D., Grecu B., Raileanu V.

2010 – Sesiunea Științifică Anuală a Facultății de Fizică, Magurele, România

**Receiver function studies in Romania**

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Tătaru D., Grecu B., Raileanu V.

2009 – Simpozionul Național de Geologie și Geofizică GEO2009

**Receiver function structure beneath three Romanian seismic broadband stations**

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Tătaru D., Răileanu V.

2009 – Sesiunea Științifică Anuală a Facultății de Fizică, Magurele, România

**Imaging the Romanian crust using Ps converted waves**

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Tătaru D.

2008 – Annual Scientific Conference, Faculty of Physics, Bucharest

**Receiver functions technique – a new tool for investigation of the Romanian crust**

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Tătaru D.

2007 – European Geosciences Union General Assembly,

**Urban Seismology Research in the Metropolitan Area of Bucharest, Vienna, Austria**

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Tătaru D.

## COMMUNICATION AND INTERPERSONAL SKILLS

### Education, Training and Outreach

Coordinator of the education and outreach direction of the National Institute for Earth Physics through dedicated projects targeting as beneficiaries' students, teachers fellow researchers and the wide public; <https://eeris.eu/ERIF-2000-000R-3401>

2018-2019 - Communication person for EPOS Thematic Core Services Near Fault Observatories

#### Educational brochures and science communication materials

2020 - Brosura "Informatii esentiale despre cutremure", Dragos Toma-Danila, Dragos Tataru, Alexandru Tiganescu

[School Tune into Mars brochures](#) (translated in 4 languages: English, French, Spanish and Romanian).

2021 Recommendations and guidelines for the creation of a Mars-Edu network, **Tataru, D.**, Moujdi, F., Bouvet, F., Billon, N., Gras-Velazquez, A., Lycée International de Valbonne.

2020 Pedagogical guide to support the use of resources from space missions in classrooms, Moujdi, F., Bouvet, F., Tataru, D., Billon, N., Gras-Velazquez, A., Lycée International de Valbonne

2020 Report on the Integration of space mission results in STEM lessons., Tătaru, D., Moujdi, F., Bouvet, F., Billon, N., Gras-Velazquez, A. Lycée International de Valbonne

#### 2013 - Colectia "Despre cutremure si efectele lor

Caietul Profesorului. Ciclul Primar (160 pg), Cdpress, 2013, ISBN 978-606-528-154-7

Caietul Elevului. Ciclul Primar, (30 pg), Cdpress, ISBN 978-606-528-153-0

Caietul Profesorului. Ciclul Gimnazial, (160 pg), CdPress, 2013, ISBN 978-606-528-156-1

Caietul Elevului. Ciclul Gimnazial, (30 pg), 2013, ISBN 978-606-528-155-4

Caietul Profesorului. Ciclul Liceal (160 pg), 2013, ISBN 978-606-528-158-5

Caietul Elevului. Ciclul Liceal (30 pg), 2013, ISBN 978-606-528-157-8

2016 Despre cutremure și efectele lor. Resurse practice pentru inovare în educație. O experiență de succes: ROEDUSEIS - D. Tataru, N Bican-Brisan, B. Zaharia, B. Grecu, D Toma-Danila, S. Tibu, ISBN 978-606-528-355-8, CD PRESS

#### Educational events and Science Fairs main organizer

[Magurele Summer School of Science and Technology](#)(2018, 2019, 2020, 2021)

[Another Kind of School](#)

[National Conference for Science Education](#) (2015, 2017, 2019)

[Researchers Night](#) (2015-2021)

## LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C1	C2	C1
<b>FRENCH</b>	B2	B2	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## HONOURS AND AWARDS

10/2021

**Best Presentation Award – Balkan Geophysical Society Congress**

Natalia Poiata, Dragos Tataru, Felix Borleanu, Bogdan Grecu | Evaluating capability of automated detection and location method for the case of intermediate-depth earthquakes from Vrancea

09/2021

**Convener – General Assembly of the European Seismological Commission**

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Session 11 From school seismology to citizen science

2020

**Best presentation – Geoscience International Conference**

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From Earthquake stories to effective preparedness measures - Toma-Dănilă D., Radulian M., Bala A., Cioflan C.O., Țigănescu A.

2019

**Best oral speaker – 10th Congress of the Balkan Geophysical Society (BGS) Bulgaria**

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2019

**Chair of the session "Informal Learning" – International Conference on Education and New Learning Technologies, Spain**

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2019

**Crustal structure of the Carpathian Orogen in Romania from receiver functions and ambient noise tomography: how craton collision, subduction and detachment affect the crust – UEFISCDI**

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Competiția UEFISCDI - PRECISI

2018

**Premiul pentru "Exelență în comunicarea științei către publicul larg" – Revista "Știință și Tehnică"**

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11/2018

**Member of International Scientific Advisory Board – ICERI International Conference on Education and New Learning Technologies**

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Seville, Spain

07/2017

**Member of International Scientific Advisory Board – EDULEARN International Conference on Education and New Learning Technologies**

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Barcelona, Spain, 3-5 July 2017

2016

**Best Presentation Award – 16th International Multidisciplinary Scientific Geoconference, Bulgaria**

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Characterization of seismic sources using large seismic datasets - Galati pilot area - Tătaru D., Poiată N., Grecu B., Radulian M., Popa M.

11/2016

**Chair of the session "Experiences and New Insights in STEM Education" – ICERI International Conference of Education, Research and Innovation, Spain**

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2015

**Best Presentation Award – 15th International Multidisciplinary Scientific Geoconference, Bulgaria**

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New science education initiative brings seismology into classroom and museums - Tătaru D., Grecu B., Zaharia B., Toma-Dănilă D., Năstase E.

## ● DIGITAL SKILLS

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Good listener and communicator | Analytical skills | Organizational and planning skills | Written and Verbal skills | Presenting | Social Media

### Microsoft office

Microsoft Word | Microsoft Excel | Microsoft Powerpoint

### Google collaborative suite

Google Drive

## ● BOOKS / BOOKS CHAPTER

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2021

**Dezvoltarea sistemului automat de monitorizare a seismicității utilizând metode avansate de detectare, localizare și caracterizare a surselor seismice (Book Chapter)**

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Poiana Natalia, **Tătaru Dragoș**, Grecu Bogdan | Cercetări avansate privind monitorizarea și modelarea fenomenului seismic, precum și reducerea riscurilor asociate, Ed. Academiei Române, ISBN 978-973-27-3383-7, pag. 329

2021

**Structura Cruste terestre în depresiunea Transilvaniei, Banat și bazinul Panonic, element esențial al creșterii gradului de cunoaștere al hazardului seismic din România pe baze deterministe (Book Chapter)**

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Andrei Bala, Bogdan Grecu, **Dragos Tataru** | Cercetări multidisciplinare privind monitorizarea cutremurelor și modelarea fenomenului seismic, Ed. Academiei Române, ISBN 978-973-27-3383-7, pag. 93

2020

**Creșterea gradului de conștientizare și reziliență a oamenilor cu privire la cutremurele puternice (Book Chapter)**

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**Institutul Național pentru Fizica Pământului, la 25 ani de la înființare**, Mărmureanu G., Ionescu C., Radulian M. (coordinatori) Editura Academiei Române, ISBN 978-973-27-3198-7, pag.

2014

**Reteaua de Siguranță în caz de cutremur de la Marea Neagră – ESNET**

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Autori Diaconescu Mihai, Carmen Cioflan, **Tătaru Dragoș**, ... | coord.: Bălan Ștefan Florin, Üker Nalan, Trifonova Petya, Alcaz

[Editura CD PRESS 2014, ISBN 978-606-528-193-6, București](#)

## ● OUTREACH / PROMOTING SCIENCE

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31/10/2020

**Webinar STIM - School Tune Into Mars: How to use space mission in classroom? Benefits and challenges**

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Tataru Dragoș, Zaharia Bogdan, Nastase Eduard

25/06/2019 – 26/06/2019

**SERA Workshop for Teachers**

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[In the framework of SERA project, Patras, Grecia](#)

06/2019

**Seismic mitigation and risk awareness through educational projects**

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11th Annual Session of IPRED, Bucharest

06/04/2019 – 10/04/2019

**Serie de emisiuni de promovare a științei și cercetărilor din cadrul INCDFP la Radio Romania Cultural – “Știința în cuvinte potrivite <https://radioromaniacultural.ro/intre-6-si-10-mai-stiinta-in-cuvinte-potrivite-este-la-institutul-national>”**

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<https://radioromaniacultural.ro/intre-6-si-10-mai-stiinta-in-cuvinte-potrivite-este-la-institutul-national-de-cercetare-dezvoltare-pentru-fizica-pamantului-incdfp-de-la-magurele/>

04/03/2019 – 15/03/2019

**Expozitia MOBEE - Mobile Earthquake Exposition la Biblioteca Nationala a Romaniei**

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<https://bibnat.ro/Evenimente-culturale-s108-ev607-ro.htm>

26/06/2018

**Workshop "Războiul Lumilor: Știință vs. Pseudoștiință: Cum încurajăm comunicarea cercetătorilor cu publicul larg?"**

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INCDFP, Magurele

04/05/2018 – 06/05/2018

**How to make research results more accessible to teachers**

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**3rd Scientix conference**, Brussels

23/11/2017

**SEISMOLOGIA - Resurse practice pentru inovare în educație**

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SIMPOZIONUL JUDEȚEAN DE FIZICĂ, „ÎNVĂȚĂMÂNTUL ILFOVEAN - ȘTIINȚĂ ȘI EDUCAȚIE”, Măgurele

10/2016

**Cunoastere și pregătire în domeniul reducerii riscului seismic**

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FORUMUL “București -Capitala Seismică a Europei”

09/2016

**Importanța studiilor seismologice pentru societate și nevoia de comunicare a științei!**

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Festivalul Sci+Fi FEST, București

2016

**Workshop "Seismologia în școli. Activități și module didactice pentru profesorii din cadrul rețelei ROEDUSEIS"**

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martie 2016 Ghimbav, Romania

noiembrie 2016, Constanta, Romania

2016

**Știință pentru educație - rolul proiectelor de cercetare în trezirea interesului elevilor pentru științe**

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Buletinul celui de-al XXXVIII-lea Congres al Asociației Generale a Învățătorilor din România (AGIRo)

20/10/2014 – 24/10/2014

**Minimizing seismic risk through information, education and communication programs**

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SEISMOLOGY@SCHOOL Workshop, SION, Switzerland

10/2013

**Workshop "Geostiintele in Romania - o initiativa spre integrare"**

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## ● **SUMMER SCHOOLS & OTHER COURSES**

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15/03/2021 – 19/03/2021

**Citizen Science with Application to Nuclear, Seismic and Air Quality Monitoring: APPLICATIONS in Seismic Monitoring**

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The Abdus Salam International Center for Theoretical Physics, Italy (online)

08/03/2021 – 12/03/2021

**Citizen Science with Application to Nuclear, Seismic and Air Quality Monitoring: INTRODUCTION**

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The Abdus Salam International Center for Theoretical Physics, Italy (online)

21/09/2018 – 23/09/2018

**Corinth Rift Laboratory school 2018**

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Corinth, Greece

14/02/2018 – 16/02/2018

**Discussion Workshop on Educational and Citizen seismology**

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British Geological Survey, London, UK

2015

**Young Seismologist International Course**

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Potsdam, Germany

08/2013

**41st Workshop of the International School of Geophysics - A Roadmap for Earth Science in Europe: The next generation of Geophysical Research Infrastructures"**

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Erice, Italy

15/05/2006 – 19/05/2006

**Workshop on "The Conduct of Seismic Hazard Analyses for Critical Facilities"**

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The Abdus Salam International Center for Theoretical Physics, Italy in collaboration with International Energy Agency (IAEA, Vienna, Austria)

05/11/2008 – 26/11/2008

**Research stage at GFZ Potsdam**

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Seismology Department | Sodoudi F

19/06/2008 – 20/06/2008

**First ORFEUS workshop "Waveform Inversion"**

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Observatories and Research Facilities for European Seismology, Utrecht, Olanda

01/09/2007 – 15/09/2007

**Research stage at GFZ Potsdam**

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in the Seismology Department lead by Prof.Rainer Kind

● **NETWORKS AND MEMBERSHIPS**

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2014 – CURRENT

**European Geoscience Union**

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Member

● **VOLUNTEERING**

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2017 – CURRENT

**Community Education for science**

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Magurele, Ilfov, Romania

<https://educatiepentrustiinta.ro>

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*Bucharest, 20/12/2021*



Dragos Tataru