CURRICULUM VITAE OF PROFESSOR DR HAB. STANISŁAW LASOCKI

1. PERSONAL DATA

Name and Christian name:	Lasocki Stanisław
Date and place of birth:	20th May, 1951, Bochnia, Poland
Nationality and citizenship:	Polish
Marital status:	married
ORCID	0000-0002-3443-6473
Business Address:	Institute of Geophysics, Polish Academy of Sciences 44 Gabrieli Zapolskiej St, 30-126 Krakow, Poland Mobile: +48 78 4420 666 E-mail: lasocki@igf.edu.pl
Home Address:	pl. Sikorskiego 3/5a, 31-115 Kraków, Poland

2. EDUCATIONAL BACKGROUND

- **Scientific Title: *Professor of Earth Sciences*** October 21th, 2003
- **Habilitation** (Higher Scientific Degree) in science January 21th. 1991
  dissertation: *"Prediction of Strong Mining Tremors"*
  AGH University of Science and Technology, Kraków
- **Ph.D.** in engineering, specialization: geophysics
  dissertation: *"Modeling and Analysis of Mining Microseismological Shocks"*
  AGH University of Science and Technology, Kraków December 9th, 1980
- **M.Sc.:** physics, Jagiellonian University, Kraków June, 1973

3. EMPLOYMENT RECORD

- **Institute of Geophysics, Polish Academy of Sciences,** ul. Księcia Janusza 64, 01-452 Warsaw
  Full Professor 2010 – present
  Head, Department of Seismology 2010 – 2020
  Head, Thematic Core Service Anthropogenic Hazards Coordination Department 2022 – 2023

- **EPOS Thematic Core Service Anthropogenic Hazards Consortium**
  Director 2019 – 2023

- **Faculty of Geology, Geophysics and Environmental Protection, AGH University of Science and Technology,** al. Mickiewicza 30, 30-059 Kraków,
  Full Professor 2006 – 2009
  Chairman, Laboratory of Mining and Engineering Seismology 1992 – 2009
  Associate Professor 1998 – 2006
  Assistant Professor 1979 – 1998
  Senior Assistant and Assistant 1976 – 1979
  Engineer 1974 – 1975

- **Institute of Geophysics, Polish Academy of Science,** Warszawa
  Professor part time 2006 – 2009

- **Geophysical Engineering Department, Al-Fateh University,** Tripoli, Libya
  Lecturer 1981 – 1985

4. AREAS OF INTEREST

- Stationary and time dependent probabilistic seismic hazard assessment
- Earthquake prediction and forecast
- Anthropogenic seismicity
- Statistical seismology
- Engineering seismology

5. PROFESSIONAL ACTIVITY

5.1 MEMBERSHIPS IN SCIENTIFIC SOCIETIES AND ORGANIZATIONS (only elected participation)

- Ethics Board of European Plate Observing System (EPOS-ERIC), elected member (since 2024)
- Advisory Board of the HORIZON 2020 CORE (sCience and human factOr for Resilient sociEty) project, invited member (2021 – 2024)
- EPOS-ERIC Service Coordination Committee - Representative of the EPOS Thematic Core Service Anthropogenic Hazards Consortium, (2020-2023)
- European Plate Observing System (EPOS) Thematic Core Service Anthropogenic Hazards (TCS AH) Consortium - elected Director (2019-2023)
- Triggered and Induced Seismicity (TAIS) Working Group of International Association of Seismology and Physics of the Earth Interior (IASPEI) - chair (2007-2023)
- Committee of Geophysics Polish Academy of Sciences – elected member, (2003 – 2023)
- Expert of Council of the National Science Center in Commission for Scientific Activity Analyses (2021-2022)
- EPOS-ERIC General Assembly – Representative of Poland, (11/2018 – 05/2020)
- Council of the National Science Center (NCN) – member, (2016-2020)
- Working Group 10: Infrastructures for Georesources of European Plate Observing System (EPOS) – co-chair and national representative, (2012-2019)
- European Science and Technology Network on Unconventional Hydrocarbon Extraction Working Group (WG 1) , (2014-2016)
- National Committee of International Union of Geodesy and Geophysics (IUGG) – elected member, (2008 – 2015)
- Scientific Council of Institute of Geophysics PAS, elected member from 1996, chairman 2011-2014
- DINSeis Working Group Forschungskollegium Physik des Erdkoerpers, Germany – invited member 2010

5.2 MEMBERSHIPS IN SCIENTIFIC COMMITTEES OF CONFERENCES

- Steering Committee member of Geophysical Methods for Mineral Exploration, Urban & Underground Space Development, and Environmental Sustainability Workshop, Beijing, China (2025)
- International Advisory Board member of Int. Symp. on Rockbursts and Seismicity in Mines (RaSiM): Kingston Canada, 1993; Kraków Poland, 1997; Magalisberg South Africa, 2001; Perth Australia, 2005; Dalian China, 2009; Moscow Russia, 2013; Santiago de Chile Chile, 2017; Phoenix US, 2022; Lulea Sweden, 2025
- Organizer and lead convener of symposia on induced seismicity in General Assemblies InternationalAssociation of Seismology and Physics of the Earth Interior (IASPEI): Santiago de Chile, Chile, 2005; Perugia, Italy, 2007; Cape Town, South Africa, 2009; Melbourne, Australia, 2011; Gothenburg, Sweden, 2013; Prague, Czech Republic, 2015; Kobe, Japan, 2017; Montreal, Canada, 2019; Hyderabad, India, 2021, Berlin, 2023
- Co-chair of Organizing Committee, Seventh EAGE Workshop on Passive Seismic, Kraków, 27-29 March, 2018
- Organizer and lead convener of the session “Anthropogenic Seismicity” in IASPEI Regional Assembly Latin-American and Caribbean Seismological Commission – LACSC: Ist Bogota, Colombia, 23-25 July 2014, IInd San José, Costa Rica, 20 - 22 June 2016

- Organizer and lead convener of symposia on induced seismicity in General Assemblies European Seismological Commission (ESC): Montpellier, France, 2010; Moscow, Russia, 2012
- Organizer and lead convener of the session "*Seismicity Induced by Human Technological Activity"*, *American Geophysical Union "Meeting of the Americas" 2010*, Foz do Iguassu, Brazil, 2010
- International Advisory and Organizing Committee member, *First Southern Hemisphere International Rock Mechanics Symposium,* Perth, Australia, 2008

5.3 PROJECTS

Research Projects since 2010

1. *TrackPreQuake: Tracking Preparation Processes of Earthquakes* (2024-2027) Research Project of the National Science Center, Poland (OPUS 28) – Co-Investigator
2. *DT-GEO: A Digital Twin for GEOphysical extremes.* (2022-2025) HORIZON-INFRA-2021-TECH-01-01, Co-Investigator
3. *EPOS SP: EPOS Sustainability Phase* (1/02/2020-31/01/2024) European Commission, H2020 Work Programme, H2020-INFRADEV-2018-2020/H2020-INFRADEV-2019-2, Co-Investigator.
4. *S4CE: Science for Clean Energy* (2017-2020) European Commission, H2020-LCE-2016-2017/H2020-LCE-2017-RES-CCS-RIA – Co-Investigator, Leader of the Beneficiary: Institute of Geophysics, Polish Academy of Sciences
5. *SERA: Seismology and Earthquake Engineering Research Infrastructure Alliance for Europe* (2017-2020) European Commission, H2020-INFRAIA-2016-2017/H2020-INFRAIA-2016-1 – Co-Investigator, Workpackage coordinator, Leader of the Beneficiary: Institute of Geophysics, Polish Academy of Sciences
6. *Development of criteria due to seismic risk for temporary closing/re-opening of seismically active mines.* Luleå University project financed by LKAB A.B. Sweden – Consultant
7. *EPOS IP: EPOS Implementation Phase* (2015-2019) European Commission, H2020-INFRADEV-1-2015-1 – Co-Investigator
8. *SHEER: SHale gas Exploration and Exploitation induced Risks* (2015-2018) European Commission Innovation and Networks Executive Agency (INEA), H2020-LCE-2014-2015/H2020-LCE-2014-1 – Co-Investigator, Workpackage coordinator, Project Management Team Member, Leader of the Beneficiary: Institute of Geophysics, Polish Academy of Sciences.
9. *IS-EPOS: Digital Research Space Of Induced Seismicity For EPOS Purposes* (2013-2015) National Centre for Research and Development – Project Manager and Principal Investigator
10. *International Commission On Hydrocarbon Exploration And Seismicity In The Emilia Region (ICHESE)* (2013-2014) Department of Civil Protection of the Presidence of Council of Ministers of Rep. of Italy – Member of the Commission
11. *European Plate Observing System Preparatory Phase* (2010-2014) ESFRI – co-chair of the Working Group 10: Infrastructures for Georesources
12. *Analysis of interactions among earthquakes in natural and mining-induced seismicity for estimation of time-varying seismic hazard.* (2010-2013) Research Project N N525 393539 of the National Science Center, Poland – Principal Investigator

Other Projects, Expert Opinions, Consultancy since 2015

1. *Forecast of the Impact of Seismic Tremors Induced by Mining in Rudna Mine, on the OUOW Zelazny Most and the Southern Quarter.* (2025) Project for KGHM Polska Miedź S.A. Hydrotechnical Division, Rudna. – Project Manager
2. *Supervising the measurements of seismic impact due to mining exploitation, carried on by the OUOW "Żelazny Most" repository embankment seismic network and stations monitoring the western foreland of OUOW* (2004 – 2025) Projects for KGHM Polska Miedź S.A. Hydrotechnical Division, Rudna. – Project Manager
3. *Initial screening of potential sites for nuclear power plants (SMR-s).* (2022-2023) Project for ORLEN Synthos Green Energy Sp. z O.O. – Co-Investigator
4. *Update of the prediction of impact of tremors induced by mining in section G3 O/ZG Rudna on OUOW „Żelazny Most" and Southern Quarter considering its extension.* (2022) Project for KGHM Polska Miedź S.A. Hydrotechnical Division, Rudna. – Project Manager

5. *Prediction of impact of tremors and surface deformations induced by mining in sections G23 O/ZG Rudna and LU XI O/ZG Lubin on OUOW "Żelazny Most" considering its extension.* (2017-2018) Research Project for KGHM Polska Miedź S.A., Hydrotechnical Division, Rudna. – Project Manager.

5.4 PUBLICATIONS. Altogether 155 (XII 2025).

Monographs or Chapters in Monographic Volumes 2016 - 2025

1. Lasocki S. (2021) Kernel density estimation in seismology. Chapter 1 in Statistical Methods and Modelling of Seismogenesis, Limnios, N., Papadimitriou, E., Tsaklidis, G., eds., ISTE**,** Wiley, pp. 1-26
2. Lasocki S., Orlecka-Sikora B. (2020) Anthropogenic Seismicity Related to Exploitation of Georesources. In: Gupta H. (eds) Encyclopedia of Solid Earth Geophysics. Encyclopedia of Earth Sciences Series. Springer, Cham. doi.org/10.1007/978-3-030-10475-7
3. Lasocki, S. (2017) Probabilistic Assessment of Mining-Induced Time-Dependent Seismic Hazards, Chapter 11.3 in Rockburst Mechanisms, Monitoring, Warning, and Mitigation (Xia-Ting Feng, ed.), Butterworth-Heinemann (Elsevier), Oxford, United Kingdom, pp. 366-380

Papers in Peer Review Journals 2016 - 2025

4. Lasocki, S., V. G. Karakostas, F. Ramón Zúñiga, E. E. Papadimitriou, and Y. Mahmood (2025). Premonitory Earthquakes Clustering Process in an Equivalent Dimensions Space before the 2017 Mw 8.2 Tehuantepec, Mexico, Mainshock, Seismol. Res. Lett. 96, 340–352, doi: 10.1785/0220240026.
5. Fonsêca, J.A.S., A.F. do Nascimento, and S. Lasocki (2025) Probabilistic Seismic Hazard Analysis for NE Brazil. Bulletin of Earthquake Engineering, 23, 3507-3527. https://doi.org/10.1007/s10518-025-02186-x
6. Lasocki, S., V. G. Karakostas, and E. E. Papadimitriou (2025) Clustering indications before the Mw7.0 2020 Samos, Greece, main shock as revealed in an equivalent dimensions space. Physica A: Statistical Mechanics and its Applications 674, 130777, https://doi.org/10.1016/j.physa.2025.130777
7. Kostoglou, A., B. Orlecka-Sikora, S. Lasocki, S., and F. Tong (2025) The Gutenberg–Richter relation may not hold for the anthropogenic seismicity. Pure Appl. Geophys. 182 (8), 3067-3089 https://doi.org/10.1007/s00024-025-03754-7
8. Tokarski, A.K., Świerczewska, A., Strzelecki, P.J., Lasocki, S., Olszak, J., Alexanderson, H., Thamó-Bozsó, E., Kukulak, J., Mikołajczak, M, Krąpiec, M., Füri, J.I. (2024) Seismic damage in Quaternary fluvial gravels in low-seismicity thrust-and-fold-belts: Case study of the Outer Western Carpathians (Poland and Slovakia). Journal of Structural Geology 178, 105027, https://doi.org/10.1016/j.jsg.2023.105027.
9. Fonsêca, J.A.S., S. Lasocki, and A.F. do Nascimento (2024) Probabilistic estimation of the source component of seismic hazard in North-Eastern Brazil. Heliyon 10, Iss. 9, e30716 https://doi.org/10.1016/j.heliyon.2024.e30716
10. Lasocki, S., Rudziński, Ł., Tokarski, A.K., Orlecka-Sikora, B. (2022) A hydrofracturing-triggered earthquake occurred three years after the stimulation. *Energies* 15 (1): 336. https://doi.org/10.3390/en15010336
11. Lasocki, S., Orlecka-Sikora, B., Kocot, J., Chodzińska, K., Leśnodorska, A. (2022) EPOS Thematic Core Service Anthropogenic Hazards in the operational phase. *ANNALS OF GEOPHYSICS*, 65, 3, DM321; doi:10.4401/ag-8743
12. Rudziński, Ł., Lasocki, S., Orlecka-Sikora, B., Wiszniowski, J., Olszewska, D., Kokowski, J., Mirek, J. (2021) Integrating data under the European Plate Observing System from the regional and selected local seismic networks in Poland. *Seismological Research Letters,* XX,1–9, https://doi.org/10.1785/0220200354
13. Marzec, P., Golonka, J., Pietsch, K., Kasperska, M., Dec, J., Cichostępski, K., Lasocki, S. (2020) Seismic imaging of mélanges; Pieniny Klippen Belt case study. Journal of the Geological Society. 177, Is 3, 629-646. https://doi.org/10.1144/jgs2018-220
14. Lasocki S, Orlecka-Sikora B., (2020) High injection rates counteract formation of far-reaching fluid migration pathways at The Geysers geothermal field. Geophysical Research Letters 47, Is 4, e2019GL086212, doi.org/10.1029/2019GL086212
15. Orlecka-Sikora B., Lasocki S., Kocot J., Szepieniec T., Grasso J-R., Garcia-Aristizabal A., Schaming M., Urban P., Jones G., Stimpson, I., Dineva S., Sałek P., Leptokaropoulos K., Lizurek G., Olszewska D., Schmittbuhl J., Kwiatek G., Blanke A., Saccorotti G., Chodzińska K., Rudziński Ł., Dobrzycka I., Mutke G., Barański A., Pierzyna A., Kozlovskaya E., Nevalainen J., Kinscher J., Sileny J., Sterzel M., Cielesta, S., Fischer T. (2020) An open data infrastructure for the study of anthropogenic hazards linked to georesource exploitation. Scientific Data 7, 89. doi:10.1038/s41597-020-0429-3

16. Leptokaropoulos K., Lasocki S. (2020) SHAPE: A MATLAB Software Package for Time-dependent Seismic Hazard Analysis. Seismological Research Letters XX, 1–11, DOI:10.1785/0220190319
17. Tokarski, A.K., Świerczewska, A., Lasocki, S., Cuong, N.Q., Strzelecki, P.J.,Olszak, J., Kukulak, J., Alexanderson, H., Zasadni, J., Krąpiec, M., Mikołajczak, M. (2020) Active faulting and seismic hazard in the Outer Western Carpathians (Polish Galicia): evidence from fractured Quaternary gravels. Journal of Structural Geology 141, 104210, https://doi.org/10.1016/j.jsg.2020.104210
18. Marzec, P., Golonka, J., Pietsch, K., Kasperska, M., Dec, J., Cichostępski, K., Lasocki, S. (2020) Reply to the "Seismic imaging of mélanges – Pieniny Klippen Belt case study. Discussion". Journal of the Geological Society, Journal of the Geological Society (2020) jgs2020-111, doi.org/10.1144/jgs2020-111
19. Orlecka-Sikora B., Cielesta S., Lasocki S. (2019) Tracking the development of seismic fracture network from The Geysers geothermal field. Acta Geophysica 67, 341-350, doi.org/10.1007/s11600-018-0202-6
20. Leptokaropoulos K., Cielesta S., Staszek M., Olszewska D., Lizurek G., Kocot J., Lasocki S., Orlecka-Sikora B., Sterzel M., Szepieniec, T. (2019) IS-EPOS: a platform for anthropogenic seismicity research Acta Geophysica 67, 299-310, doi.org/10.1007/s11600-018-0209-z
21. Gunning A.P., Lasocki S., Capuano P. (2019) Assessing environmental footprints induced by geo-energy exploitation: the shale gas case, Acta Geophys. 67, 279-290, doi: 10.1007/s11600-018-0206-2
22. Golonka J., Pietsch K., Marzec P., Kasperska M., Dec J., Cichostępski K., Lasocki S. (2019) Deep structure of the Pieniny Klippen Belt in Poland. Swiss Journal of Geosciences 112, 475-506, https://doi.org/10.1007/s00015-019-00345-2
23. Leptokaropoulos, K., Staszek, M., Lasocki, S., Martínez-Garzón, P., Kwiatek, G. (2018) Evolution of seismicity in relation to fluid injection in the North-Western part of The Geysers geothermal field. Geophys. J. Int. 212, 1157–1166, doi: 10.1093/gji/ggx481
24. López-Comino, J. A., Cesca, S., Jarosławski, J., Montcoudiol, N., Heimann, S., Dahm, T., Lasocki, S., Gunning, A., Capuano, P. and Ellsworth, W. L. (2018). Induced seismicity response of hydraulic fracturing: results of a multidisciplinary monitoring at the Wysin site, Poland, Scientific Reports 8:8653, doi: 10.1038/s41598-018-26970-9.
25. Orlecka-Sikora. B., Lasocki, S. (2017) Interval estimation of seismic hazard parameters. Pure Appl. Geophys. 174, 779-791, doi:10.1007/s00024-016-1419-4
26. Gkarlaouni C, Lasocki S., Papadimitriou E., Tsaklidis G. (2017) Hurst analysis of seismicity in Corinth rift and Mygdonia graben (Greece) Chaos, Solitons and Fractals 96, 30–42, doi:10.1016/j.chaos.2017.01.001
27. Olszewska, D., S. Lasocki, K. Leptokaropoulos (2017) Non-Stationarity and internal correlations of the occurrence process of mining – induced seismic events, Acta Geophys., DOI: 10.1007/s11600-017-0024-y
28. López-Comino, J.A., Cesca S., Kriegerowski M., Heimann S., Dahm T., Mirek J., Lasocki S. (2017) Monitoring performance using synthetic data for induced microseismicity by hydrofracking at the Wysin site (Poland), Geophys J Int, doi: 10.1093/gji/ggx148
29. Lasocki S., Orlecka-Sikora B., Leptokaropoulos K., Lizurek G., Sterzel M., Szepieniec T., Mutke G. zespół EPOS (2016) Platforma IS-EPOS jako nowoczesne narzędzie w badaniach sejsmiczności antropogenicznej, Zesz Nauk Inst. Gosp. Sur. Min i Energią PAN 93, 49-62

Papers in Peer Review Conference Proceedings 2016 - 2025

30. Lasocki, S., Orlecka-Sikora, B., Rudzinski, L., Lelonek, M., Kocot, J., Jones, G., and A. Garcia-Aristizabal. (2022) EPOS Thematic Core Service Anthropogenic Hazards - Open-Access Integrated Infrastructures for Research and Innovation in the Area of Anthropogenic Seismicity Associated with the Exploitation of Georesources. Paper presented at the 56th U.S. Rock Mechanics/Geomechanics Symposium, Santa Fe, New Mexico, USA, June 2022. doi: https://doi.org/10.56952/ARMA-2022-0708
31. Rudziński Ł., Lasocki S., Orlecka – Sikora B., Szepieniec T., Leptokaroupolos K., Garcia-Aristizabal A., Grasso J-R., Kwiatek G., and IS-EPOS & EPOS-IP teams (2017) IS-EPOS Platform for Anthropogenic Seismicity Research: a modern e-tool of EPOS Thematic Core Service „Anthropogenic Hazards", designed to integrate infrastructures and facilitate research of human induced seismicity. In: Proc. 9th Int. Symp. on Rockbursts and Seismicity in Mines – RaSiM9, November 15-17, Santiago, Chile (Vallejos J.A., ed.), Editec S.A., Santiago, Chile, pp. 15-22
32. Lasocki, S., Orlecka-Sikora, B., Mutke, G., Pytel, W., Rudziński, Ł. (2017) A catastrophic event in Rudna copper-ore mine in Poland on 29 November, 2016: what, how and why. In: Proc. 9th Int. Symp. on Rockbursts and Seismicity in Mines – RaSiM9, November 15-17, Santiago, Chile (Vallejos J.A., ed.), Editec S.A., Santiago, Chile, pp. 316-324
33. Lasocki, S., Orlecka Sikora, B., Leptokaropoulos, K., Sterzel, M., Szepieniec, T., Kocot, J., Mutke, G., Barański, A. and the IS-EPOS team (2016) IS-EPOS: a digital research space to facilitate integrated

approach to anthropogenic seismic hazards. 16th World Conference on Earthquake Engineering, 16WCEE 2017, Santiago Chile, January 9th to 13th 2017

Editing - International

- 2010 – 2021 Associate Editor, Acta Geophysica
- 2006 – 2009, Editor-in-Chief, Acta Geophysica
- 2008 Lasocki S., Suhadolc P., Comte D., Guest Editors SI Tectonophysics: The Monitoring of Induced Seismicity: Observations, Models and Interpretations
- 2006 Burton, P.W., Hainzl, S., Lasocki, S., Guest Editors SI Tectonophysics: Spatiotemporal Models of Seismicity and Earthquake Occurrence
- 2005 Associate Editor, Pure and Applied Geophysics
- 1997 Gibowicz S.J., Lasocki S., Eds. Rockbursts and Seismicity in Mines, Proc. 4th Int. Symp. on Rockbursts and Seismicity in Mines, Balkema

5.5 PRESENTATIONS

Key notes and Invited talks - International: Altogether 35 In 2016-2025:

1. *Time-dependent Anthropogenic Seismic Hazard Assessment.* Geophysical Methods for Mineral Exploration, Urban & Underground Space Development, and Environmental Sustainability Workshop, Beijing, China, 22-24 Sept. 2025
2. *Anthropogenic Hazards Thematic Core Service.* 2nd EPOS Int. Conf. EPOS Meets Africa and Latin America Natal, Brazil, 1/02/2023
3. *The EPISODES open access platform for collaborative induced seismicity research.* 34th Am Rock Mech, Assoc. Induced Seismicity Tech. Comm. Webinar, 4/11/2022
4. *Anthropogenic Hazards Thematic Core Service.* 1st EPOS Int. Conf. EPOS Meets Africa and Latin America, Cape Verde, 2022
5. *EPOS Thematic Core Service Anthropogenic Hazards: A step-change in tackling challenges of hazards associated with the exploitation of geo-resources*. Geodays 21, AVENIA, France, 24/06/2021
6. *Anthropogenic Seismicity – a Challenge to the Sustainable Development* 25th IUGG General Assembly Montreal, Canada, July 8-18, 2019 – invited presentation representing IASPEI
7. *Seismicity and its relation with industrial factors, studied with the use of equivalent dimension approach. Assessments of fluid migration pathways buildup.* COST Action TIDES Workshop on: "Induced Seismicity: from the monitoring of non-stationary processes to the definition of performance-based mitigation strategies", Bologna March 21-22, 2018 – invited lecture
8. *A catastrophic event in Rudna copper-ore mine in Poland on 29 November, 2016: what, how and why.* RaSiM9 - 9th Int Symposium on Rockbursts and Seismicity in Mines, Santiago de Chile, 15-17 November 2017 – invited lecture
9. *The assessment of hazard posed by anthropogenic seismicity - challenges and new developments.* VIET-GEOPHS-2017: The International Conference on Research Development and Cooperation in Geophysics, Hanoi, October 18-22, 2017 - key-note
10. *Integrated approach to geophysical hazards induced by exploration and exploitation of georesources - to facilitate the way of attaining excellence*. Days for the Observation and Monitoring of Geological and Geotechnial Risks. ANTHROPOGENIC SEISMICITY WORKSHOP – NANCY – 2016, INERIS, Nancy 1-2.09.2016 (key-note)
11. *Probabilistic Analysis of The Time-varying Hazard Due to Anthropogenic Seismicity – How we do it in WP14 (TCS AH) of EPOS.* Days for the Observation and Monitoring of Geological and Geotechnial Risks. ANTHROPOGENIC SEISMICITY WORKSHOP – NANCY – 2016, INERIS, Nancy 1-2.09.2016 (key-note)
12. *Integrated approach to geophysical hazards induced by exploration and exploitation of georesources - to facilitate the way of attaining excellence.* ESFRI and national research infrastructures – current challenges from perspective of V4 countries". Permanent Representation of the Republic of Poland to the European Union in Brussels, Brussels 13/09/2016 (invited)

Regular Conference Presentations: Altogether 69

5.6 TEACHING EXPERIENCE

Lectures and Classes Within B.Sc. and M.Sc. Courses

AGH University of Science and Technology, Kraków, Poland

- Introduction to Computers and Computer Programming (M.Sc. course: Geology, Geophysics)
- Mathematical Statistics, basic and advanced courses (M.Sc. course: Geophysics)
- Geophysical Data Processing (M.Sc. course: Geophysics)
- Earthquakes (M.Sc. course: Geology, Geophysics)
- Mathematical and Physical Models in Geophysics (M.Sc. course: Geophysics)
- Earthquake Seismology (M.Sc. course: Geophysics)
- Mining Seismology (M.Sc. course: Geophysics)
- Seismic Ground Motion and Its Influence on the Environment (M.Sc. course: Geophysics/Geology)
- M.Sc. Seminar (M.Sc. course: Geophysics)

Geophysical Engineering Department, Al-Fateh University, Tripoli, Libya

- Earthquake Seismology (B.Sc course: Geophysics)
- Geophysical Data Processing (B.Sc course: Geophysics)
- Theory of Seismic Prospecting and Seismic Data Processing (B.Sc course: Geophysics)
- Computer Modelling in Geophysics (B.Sc course: Geophysics)
- Petrophysics (B.Sc course: Geophysics)
- Introduction to Geophysical Prospecting (B.Sc. course: Mining)

Lectures and Classes Within PhD and Post Diploma Courses

Institute of Geophysics, Polish Academy of Sciences, Warsaw, Poland

- Scientist's ABC: How to successfully apply for the financing of research projects as well as present and publish scientific research results. (Ph.D. course, GEOPLANET Doctoral School)
- Seismic Hazard Analysis (Ph.D. course at IG PAS)
- Methodology of Scientific Work: Design, Analysis, and Communication of Scientific Research (Ph.D. course at IG PAS)

AGH University of Science and Technology, Kraków, Poland

- Selected Problems of Seismology and Engineering Seismology (Ph.D. course: Geophysics)
- Principles of Research Work (Ph.D. course: Geology, Geophysics)
- PhD Seminar (Ph.D. course: Geology, Geophysics)
- Seismic Ground Motion (Post Diploma course: Applied Geophysics)
- Mining Seismology (Post Diploma course: Applied Geophysics)

Libyan Center for Remote Sensing and Space Sciences, Gharyan, Tripoli, Libya

- Introductory and Advance Trainings on Strong Motions (Post Diploma course)

Institute of Geophysics Vietnam Academy of Science and Technology, Hanoi, Vietnam 2012

- A Short Course on Induced Seismicity (Post Diploma course)

Scientific advisory/supervision

- PhD candidates: 4 Polish, 2 Greek, 2 Italian, 1 Brazilian
- MSc projects: about 20

Reviewing

- Candidates for the title professor (Poland): 3
- Candidates for the full professor position (non-Polish): 3
- Candidates for the habilitations: 4
- PhD Dissertations: 8