

<b>Name:Dr. Ormos Tamás</b>	<b>Year of Birth:: 1948</b>
<i>Qualification(s), degrees granted by, year</i>	
degree in Mining Engineering ( <i>Mining geology-geophysics</i> ), Technical University of Heavy Industry (University of Miskolc) 1972	
<i>Current employment, position(s)</i>	
University of Miskolc, private professor	
<i>Scientific degree (field, year)</i>	
<b>CSc (1996)</b> , Engineering sciences (MTA) Title of CSc thesis: „ <i>Investigations on the seismic channel model based on the in-mine measured data of Rayleigh- and Love seam waves and underground VSP</i> ” <b>PhD (1996)</b> , Engineering (issued on the basis of CSc, University of Miskolc) <b>„dr. habil” title (2006)</b> University of Miskolc Scientific lecture: „ <i>The role of the seismic-geoelectric joint inversion in the engineering geophysics</i> ”	
<i>Scholarships (date)</i>	
István Széchenyi Professorial Scholarship (2000-2003)	
<i>Teaching activities (classes taught, years spent in Academia, teaching in a foreign language, in a foreign institution, etc.)</i>	

Period	Status	Employer
1972-1974	scientific fellow trainee	University of Miskolc
1974-1985	assistant lecturer	University of Miskolc
1985-1996	senior lecturer	University of Miskolc
1996-2013	associate professor	University of Miskolc
2013-	private professor	University of Miskolc

- *Years spent in academia: 41 years*
- *Classes taught in Hungarian:*  
 Geofizika II. (*Szeizmika*) (BSc), Szeizmikus kollégium (MSc), Mérnök- és Környezetgeofizika (MSc), Geofizikai kutatómódszerek I. (*Szeizmika*) (MSc), Vízkutatás geofizikája (*Szeizmika*) (MSc), Mérnöki geofizika (MSc), Geofizikai mérések (MSc), Geofizikai értelmezés és tervezés I. (MSc), Speciális módszerek a szeizmikában II. (PhD).
- *Classes taught in a foreign language:*  
 Umweltgeophysik (European Geotechnical and Environmental Course, University of Miskolc); Inversion von Oberflächenwellen und Geoelektrischen Daten zur Parameterbestimmung in den oberen Zehnermeter-Bereichen (Mintrop Seminárium, Neheim-Hüsten, Germany); Joint inversion (National Central University, Chung-Li, Taiwan)
- *Education organization / management:*  
 2010-2013 Member of the Senate at University of Miskolc (ME)  
 1990-2013 Member of the Council of the Faculty of Earth Sciences and Engineering (MFK)  
 2001-2009 Vice dean of the Faculty of Earth Sciences and Engineering (ME-MFK)  
 2009-2013 Head of department, Department of Geophysics (ME-MFK)  
 2001-2013 Leader of the ERASMUS committee (ME-MFK)  
 2002-2011 Erasmus Mundus and EGEC EU project coordinator

### *Professional experience so far and main achievements*

- Method- and instrument development in connection with seismic methods applied in mines. Active participation in the application of mining seismic methods: planning, data acquisition, controlling of measurements as well as data processing and interpretation of the results. In 1984 a **univ.Drthesis** was made under this topic with the title „*Love seam waves in the Borsod coal area*”.
- Intensive participation in the efficient MTA-DFG scientific cooperation between the Department of Geophysics at the Ruhr-Universität Bochum and the Department of Geophysics at the University of Miskolc during the period 1981-2000.
- The research results in evaluation of seismic measurements made in mines are summarized in the **CSc dissertation** with the title „*Investigations on the seismic channel model based on the in-mine measured data of Rayleigh- and Love seam waves and underground VSP*”. Its defence was in December 1995.
- Present researches, method developments (partially in international cooperation): **2D series expansion inversion of refracted time data, qualified joint inversion of seismic and geoelectric measurement data, near surface hole exploration with surface waves**. He **habilitated** with the scientific colloquium theme „*role of the seismic-geoelectric joint inversion in the engineering geophysics*” based on these results at the University of Miskolc in 2006.
- Scientific projects: (*participation and leadership*)  
Hungarian Scientific Research Fund (OTKA): 5 project  
MTA-DFG (Hungarian-German): 5 project  
Exploration reports: more than 20
- Sciencemetry: (*MTMT data*)  
Number of scientific works: 106  
Cumulative impact factor: 5.2  
Number of independent references: 258  
Hirsch index: 9

### *Relationship of classes taught and scientific/research activities*

#### *a) The most important five publications of the last five years:*

- Paripás A N, Ormos T: New Inversion Techniques for the Elimination of Trigger Errors in Seismic Refraction Data. GEOSCIENCES AND ENGINEERING: A PUBLICATION OF THE UNIVERSITY OF MISKOLC 2:(3) pp. 73-82. (2013)
- Gyulai A, Ormos T, Dobroka M, Turai E, Sasvari T: In-mine geoelectric investigations for detecting tectonic disturbances in coal seam structures. ACTA GEOPHYSICA 61:(5) pp. 1184-1195. (2013)
- Paripás A N, Ormos T: Resolution and ambiguity studies for a series expansion based multilayer refraction inversion method. ACTA GEODAETICA ET GEOPHYSICA HUNGARICA 47:(2) pp. 28-41. (2012)
- Ormos T, Paripás A N: Traveltime Differences in Seismic Refraction Inversion. GEOSCIENCES AND ENGINEERING: A PUBLICATION OF THE UNIVERSITY OF MISKOLC 1:(2) pp. 123-128. (2012)
- Gyulai A, Ormos T, Dobroka M: A quick 2-D geoelectric inversion method using series expansion. JOURNAL OF APPLIED GEOPHYSICS 72:(4) pp. 232-241. (2010)

#### *b) The most important five publications of the entire career:*

- Ormos T, Daragó A: Parallel inversion of refracted travel times of P and SH waves using a function approximation. ACTA GEODAETICA ET GEOPHYSICA HUNGARICA 40:(2) pp. 215-228. (2005)
- Gyulai A, Ormos T: A new procedure for the interpretation of VES data: 1.5-D simultaneous inversion method. JOURNAL OF APPLIED GEOPHYSICS 41:(1) pp. 1-17. (1999)

- R Misiak, A Liebig, A Gyulai, T Ormos, M Dobróka, L Dresen: A joint inversion algorithm to process geoelectric and surface wave data: Part II. : Applications. GEOPHYSICAL PROSPECTING 45:(1) pp. 65-86. (1997)
- M Dobróka, Á Gyulai, T Ormos, J Csókás, L Dresen: Joint inversion of seismic and geoelectric data recorded in an under-ground coal mine. GEOPHYSICAL PROSPECTING 39:(5) pp. 643-665. (1991)
- Breitzke M, Csókás J, Dresen L, Gyulai Á, Ormos T: Parameter estimation and fault detection by three-component seismic and geoelectric surveys in a coal mine. GEOPHYSICAL PROSPECTING 35:pp. 835-863. (1987)

*Scientific/social activities, international memberships*

Period	Corporation/Committee	Membership/Function
1972 -	Association of Hungarian Geophysicists (AHG)	member, president:1995/96
1995 -	AHG Scientific Committee	member
1996 -	Hungarian Academy of Science	member
1996 -	Hungarian Academy of Science -Scientific Committee	member
2013-2016	Hungarian Academy of Science	delegate
1987-	European Association of Geoscientists & Engineers	member
1993 -	Deutsche Geophysikalische Gesellschaft	member
2001-2011	Society of Exploration Geophysics	member
1997-2006	EAGE Conference Referee	invited member
1996-2012	CSc and PhD evaluation processes	opposer
1999 - 2008	Editor Committee of the Magyar Geofizika ( <i>journal</i> )	member

*Prizes, honours:*

Period	Corporation/Committee	Merit
1987	Ministry of Education	Commendation
1994	Association of Hungarian Geophysicists (AHG)	Renner medal
1999	Association of Hungarian Geophysicists (AHG)	Honorary member
2004	Association of Hungarian Geophysicists (AHG)	Egyed L. medal
2001	Federation of Technical and Scientific Societies	MTESZ medal
2004	Student Union (University of Miskolc)	Excellent master
2005	Ministry of Economy	Merit
2009	University of West Hungary	Decoration dagger
2009	University of Miskolc	Pro Unversitate
2012	University of Miskolc	Meritmedal

*Knowledge of English, presentation/teaching experience*

- *English language educational training abroad:*  
2001: National Central University, National Chung Cheng University, Taiwan: invited lecturer, topics: minegeophysics and inversion
- *Publications in English language:* 39
- *(International) conference presentations in English language:* 20