

# Prof. Dr. Kuvvet Atakan – Short CV

## Personal details:



Name: Kuvvet Atakan

Citizenship: Norwegian

Marital Status: Married, 3 children

Languages: Fluent in Norwegian, English and Turkish. Minor Spanish.

Address: (Work) University of Bergen  
Department of Earth Science  
Allegt.41, N-5007 Bergen, Norway  
Tel: +47-55-583413 Fax: +47-55-583660  
E-mail: [Kuvvet.Atakan@uib.no](mailto:Kuvvet.Atakan@uib.no)  
URL: <http://www.uib.no/en/persons/Kuvvet.Atakan>

(Home) Løvåsbakken 37,  
5145 Fyllingsdalen, Norway.  
Mob: +47-958 77 982

## Background Information

Kuvvet Atakan was born in 1957. He took his B.Sc. in Geological Engineering in 1980, at the Middle East Technical University (METU) in Ankara. He then continued his studies in Bergen, Norway and completed a Cand.Mag. degree in Geology in 1986 at the University of Bergen (UiB), Cand.Scient. degree in structural geology in 1988 (UiB) and Dr.Scient. degree in seismology in 1994 (UiB). His previous employment includes Mineral Research and Exploration Institute (MTA) of Turkey (1980) and University of Durham, UK (1989-1990). He is currently holding a position as Professor of seismology at the Department of Earth Science (GEO), University of Bergen (UiB) (since 2001). Prof. Atakan has had a number of responsibilities at the University of Bergen. He was the Chairman of the Advisory Council at the Department of Earth Science (GEO) during 2003-2005, Vice-Dean of the Faculty of Mathematics and Natural Sciences during the period 2004-2005, Head of the Geodynamics Research Group at GEO (2003-2009), and Deputy Head of Department of Earth Science (2007-2009). Professor Atakan has been the Vice-Rector for Education at the University of Bergen during the period 2009-2013.

## Professional Affiliations

Professor Atakan is the titular member for Norway in the European Seismological Commission (ESC). He is a member of the Norwegian Academy of Technical Sciences (NTVA). Professor Atakan has served as a member of the Steering Committee of the Norwegian Association for Earthquake Engineering during 1996, 2004-2005, and was the Chairman in 1997. Atakan is a member of various (13) scientific committees or working groups. He is involved in the organization of 10 scientific seminars/international conferences and had the responsibility of the “9th International Conference in Soil Dynamics and Earthquake Engineering (SDDE)”, which was held in Bergen in 1999. Atakan has also been convener/chairman in different scientific sessions in 20 international conferences. In addition, he has also been involved in various local committees at the University of Bergen. In 2010, Professor Atakan has been awarded as one of the Top 10 International Leaders in Norway.

## Research Experience

Professor Atakan is a member and a deputy Chair of the Geodynamics research group at the Department of Earth Science. He had the responsibility of the Norwegian National Seismic Network

(NNSN) during the period 2007-2009 and is a member of the Steering Committee since 2002. Atakan was previously involved in 56 scientific projects in various geographical areas (mainly Europe, but also Central America, Africa and Asia) in the fields of seismotectonics, active tectonics, seismic hazard, local site effects, seismic monitoring and associated topics. Currently he is involved in 10 projects and is the national coordinator of the EPOS-Norway (European Plate Observing System) Project. He is also a member of the Board of National Scientific Representatives (BNSR) of the EPOS. In addition, Prof. Atakan is a member of the Project Development Board (PDB) and Service Coordination Board (SCB) of the European ESFRI - EPOS Implementation Phase (IP) Project.

### **Research Interests**

Professor Atakan has a significant amount of research production in the fields of seismotectonics, earthquake hazard and risk. He is the author/co-author of 650 various scientific contributions, among them 106 peer-review publications (see the list below), 135 scientific reports (with limited distribution) and 409 presentations (mostly in international scientific conferences). He has been the Guest editor of the Special Issue (Vol.20, No.1-4 and 5-8, 2000) of the *Soil Dynamics and Earthquake Engineering* (Elsevier). He was also guest co-editor of the Special Issue (Vol.8, No.3, 2004) of the *Journal of Seismology* (Kluwer Academic Publ.). Professor Atakan has previously been Associate Editor of the *Journal of Seismology* (Springer) and Associate Editor of *Bollettino di Geofisica Teorica e Applicata* until 2018. He is currently member of the Editorial Board of several journals including the *Soil Dynamics and Earthquake Engineering* (Elsevier Publ. Inc.), the *Journal of Seismology* (Springer) and the *Bollettino di Geofisica Teorica e Applicata*. His current research interests include the processes leading to mega-thrust earthquakes in subduction zones.

### **Teaching and Outreach**

Professor Atakan has a broad experience in teaching and student supervision at undergraduate and graduate levels. He has had the responsibility of several courses in seismology at undergraduate and graduate levels. Professor Atakan has over the years supervised 59 students (43 Master, 16 PhD). Atakan has also a long record of dissemination of results from his research to public, through popular scientific publications, various interviews and articles in the media. In 2005, he was the scientist in charge of the exhibition at Bergen Museum with the topic "100<sup>th</sup> Anniversary of the Seismological Observatory in Bergen" which was held during the period 2005-2010. He has also been the Board member of the Bergen Science Center, VilVite AS during the period 2009-2013, and Chairman of the Norwegian-Turkish Association in Bergen during the period 2015-2017.

### **List of Publications**

- Torsvik, T.H., Sturt, B.A., Ramsay, D., Grønlie, A., Roberts, D., Smethurst, M., Atakan, K., Bøe, R. and Walderhaug, H.J. 1989. Palaeomagnetic constraints on the early history of the Møre-Trøndelag Fault Zone, Central Norway. IN: C.Kissel and C.Laj (Eds.), *Palaeomagnetic Rotations and Continental Deformation*. Kluwer Academic Publishers, 431-457.
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- Atakan, K. 1997. A student's guide to M.Sc. studies in seismology at the Institute of Solid Earth Physics, University of Bergen. IN: A.Gulbrandsen (Ed.), *Universitetspedagogisk Utviklingsarbeid i Bergen*, UPED-skrift nr.1/97, University of Bergen. 31-39.
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