

# Curriculum vitae of Manfred Joswig

- 2016 *cont.* co-founder of Sonicon GmbH, Tübingen (with Dr. M. Walter)
- 2005-2019 **head** of "Institut für Geophysik", Stuttgart University
- 2005-2007 vice dean of "Fakultät für Geo- und Biowissenschaften", Stuttgart University
- 2003-2019 **professor** (C3-tenured) for "Technische Geophysik", Stuttgart University
- 1999-2002 visiting assoc. professor, Tel Aviv Univ., Dept. of Geophys. & Planet. Sci.
- 1999 **Habilitation** to "Privatdozent" at RUB, Fak. für Geowissenschaften  
( *seismicity in time-space analysis by methods of handling incomplete knowledge* )
- 1995-1999 freelance works as scientific consultant plus university lectureships
- 1992-1994 senior scientist at Lehrstuhl für Messtechnik of RWTH Aachen
- 1987 **Promotion** to Dr. rer. nat. (Ph.D.) at RUB  
( *automated measurement of earthquakes in computerized seismic networks* )
- 1981-1992 scientist at Institut für Geophysik of RUB – Ruhr Universität Bochum
- 1980 **Diplom** in physics at RUB  
( *measurement of human eardrum impedance* )
30. 9. 1951 born in Düsseldorf, Germany

research interests: induced seismicity and rock mechanics of

- fluid and gas extraction – Northern German gas fields
- fluid and gas injection – waste water treatment

small earthquake measurements ('nanoseismic monitoring') for

- monitoring induced seismicity - gas/oil plays and waste water
- active fault mapping – seismic hazard assessment
- slide quake monitoring – land/rock-slide dynamics
- aftershock monitoring – CTBT nuclear arms control
- hydrofrac monitoring – tight and shale gas plays

scientific duties:

- 2017 *cont.* member advisory board *Energieforschungszentrum Niedersachsen* (EFZN)
- 2010-2019 chair working group 'induced seismicity' of *Forschungskollegium Physik des Erdkörpers* (FKPE – directors' club of German geophysical institutes)
- 2016-2019 co-chair working group 'induced seismicity' *European Seismological Commission* (ESC)
- 2011-2019 vice president *Deutsche Gesellschaft f. Erdbebeningenieurwesen u. Baudynamik* (DGEB)
- 2011-2018 chair advisory board *Landesforschungszentrum Geothermie Baden-Württemberg* (LFZG)
- 2010-2018 board member *Deutsche Geophysikalische Gesellschaft* (DGG)
- 2012-2017 member evaluation committee ICDP of *Deutsche Forschungsgemeinschaft* (DFG)

