

Univ.-Prof. Dipl.-Ing. Dr.techn. Christoph ADAM

Professor of Applied Mechanics, Head of the Department of Basic Sciences in Engineering Sciences

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Curriculum Vitae

1967: April 2, born in Vienna, Austria
Austrian nationality

Education

- 2000: November 6, *Habilitation* in Mechanics, TU Wien
- 1994: June 27, graduation to *Doktor der technischen Wissenschaften*, Dr.techn. (Doctor of Technical Sciences), with honors, TU Wien
- 1990: December 12, graduation (Sponson) to *Diplom-Ingenieur* (Master Engineering), with honors, Civil Engineering, TU Wien
- 1986: Enrollment at the Department of Civil Engineering, TU Wien
- 1986: June 3, high school diploma (Matura), with honors, at the *Höhere Technische Bundeslehr- und Versuchsanstalt Mödling, Bautechnik - Hochbau* (Federal Secondary College of Engineering Mödling, Building Construction)

Current position

2006-: since October 1, Professor of Applied Mechanics, Head of the Unit of Applied Mechanics (since October 1 2008), Head of the Department of Basic Sciences in Engineering Sciences (since March 1 2017), Universität Innsbruck

Professional positions held and research stays abroad

- 2013-17: Deputy Head of the Department of Basic Sciences in Engineering Sciences (March 1 2013 to February 28 2017), Universität Innsbruck
- 2016: September 25-30 2015, Visiting Professor, Università degli Studi di Palermo (Italy), DICAM (collaboration with Professor Antonina Pirrotta)
- 2015: December 8-15 2015, Visiting Professor, Università degli Studi di Palermo (Italy), DICAM (collaboration with Professor Antonina Pirrotta)
- 2013: October 1 2013 - December 15 2013, Visiting Scholar, The University of Utah, Department of Civil & Environmental Engineering (collaboration with Professor L.F. Ibarra, PhD)
- 2001-06: March 1 2001 - September 30 2006, Associate Professor of Mechanics, Department of Civil Engineering, TU Wien
- 2001-03: August 15 2001 - February 15 2003, Max-Kade Visiting Scholar, Stanford University, John A. Blume Earthquake Engineering Center (collaboration with Professor H. Krawinkler, PhD)
- 2000-01: May 1 2000 - February 28 2001, Assistant Professor, Institute of Rational Mechanics, TU Wien
- 1997-07: July 1 - July 31 1997, Visiting Researcher at the Dipartimento di Ingegneria Strutturale e Geotecnica der Università di Palermo (collaboration with Professor Mario Di Paola and Antonina Pirrotta, PhD), within the project „Stochastic Mechanics in Structural and Mechanical Engineering“ under the umbrella of the exchange program of the European Union „Human Capital and Mobility Program“ (*HCM*)
- 1991-00: February 1 1991 - April 30 2000, University Assistant, Institute of Rational Mechanics, TU Wien

1990-91: February 1 1990 - January 31 1991, Teaching Assistant, Institute of Rational Mechanics, TU Wien

Awards and fellowships

- 2009: Best Practice Award in the field of "research facilities and competence centers" for the project "Dynamic compaction of soils by the Rapid Impact Compactor" funded by the Austrian Research Promotion Agency (FFG).
- 2002: Extension of the fellowship of the *Max-Kade Foundation, Inc. (New York)* for a period of 6 month, awarded by the *Max-Kade Foundation, Inc.*
- 2001: Kardinal-Innitzer-Promotion Prize (*Kardinal-Innitzer-Förderungspreis*) in recognition of outstanding scientific performance (awarded for *Habilitation* thesis), Austria
- 2000: Fellowship of the *Max-Kade Foundation, Inc. (New York)* to support a research stay at Stanford University for a period of 12 month, awarded by the Austrian Academy of Sciences
- 1991: Prize awarded by the Austrian Federal Minister of Science and Research in appreciation of excellent study performance (*Würdigungspreis des Wissenschaftsministers für ausgezeichnete Studienleistungen*)

Editorial activities

- 2020-: Österreichische Ingenieur- und Architekten-Zeitschrift (ÖIAZ) (Editorial Advisory Board)
- 2018-: International Journal of Structural Stability and Dynamics (International Editorial Board)
- 2016-: International Journal of Earthquake and Impact Engineering (International Advisory Board)
- 2015-2020: Journal of Vibration and Control (Associate Editor)
- 2015: Bulletin of Earthquake Engineering (Guest Editor, Vol. 13:4)
- 2009-: Acta Mechanica (Advisory Board)
- 2008: Acta Mechanica (Guest Editor, Vol. 195:1-2)

Academic boards and professional societies

- 2018-: Member, Academic Board of the PhD Course in Civil, Environmental and Materials Engineering at the Dipartimento di Ingegneria Civile, Ambientale, Aerospaziale, dei Materiali (DICAM) (XXXIV Cycle, XXXV Cycle, XXXVI Cycle, XXXVII Cycle, XXXVIII Cycle), Università degli Studi di Palermo (Italy)
- 2017-: Chairman of Board, Austrian Association for Earthquake Engineering and Structural Dynamics (OGE)
- 2017-: Member, Austrian Research Association Road – Rail – Traffic (FSV)
- 2016-2019: Second Deputy of the Chairman of Board, Austrian Association of Engineers and Architects – Section Tyrol (ÖIAV Tyrol)
- 2011-: Member, European Association for Earthquake Engineering (EAEE)
- 2011-: Member, International Association for Life-Cycle Civil Engineering (IALCCE)
- 2010-2019: Member of Board, Austrian Association of Engineers and Architects – Section Tyrol (ÖIAV Tyrol)
- 2009-: Member, Austrian Association of Engineers and Architects – Section Tyrol (ÖIAV Tyrol)
- 2008-17: Member of Board, Austrian Association for Earthquake Engineering and Structural Dynamics (OGE)
- 2006-: Member, Austrian National Committee for Theoretical and Applied Mechanics
- 2006-: Member, Austrian Association for Earthquake Engineering and Structural Dynamics (OGE)
- 2005-: Member, German Association of University Professors and Lecturers
- 2002-: Member, Austrian Scientists and Scholars in North America (ASCINA)

1995-: Member, International Association for Bridge and Structural Engineering (IABSE)

1991-: Member, Society for Applied Mathematics and Mechanics (GAMM)

Review activities

Scientific Journals: 58 different journals such as Acta Mechanica, Engineering Structures, Structural Control and Health Monitoring

Review of research projects for research agencies: e.g., "PRIN 2012", "PRIN 2020", "Giovani Ricercatori - Rita Levi Montalcini"-Programs, Ministero dell'Istruzione, dell'Università e della Ricerca, IT; "Thalis Phase 1 and 2" Research Funding Program, Greek Ministry of Education, Lifelong Learning and Religious Affairs, GR; Swiss National Science Foundation, CH; "Deutsche Forschungsgemeinschaft (DFG)", DE

Evaluation of research activities: "Evaluation of Quality of Research 2004-2010". Agenzia nazionale di valutazione del sistema universitario e della ricerca (ANVUR), IT

Doctoral Thesis for various national and international universities: e.g., TU Wien, JKU Linz, Università degli Studi di Palermo, Hong Kong University of Science and Technology, University of New Hampshire

Appointment procedures for Professorships and Habilitation committees: e.g., TU Wien, RWTH Aachen University, University of Bristol, University of Utah, Cyprus University of Technology

Main Research Interests

Structural dynamics

Earthquake engineering

Soil dynamics

Structural control

Structural health monitoring

Mechanics of beams, arches, plates and shallow shells

Experimental methods in structural dynamics

Scientific Publications: 304

102 contributions to refereed journals

31 contributions to non-referred journals

14 contributions to referred books

8 contributions to non-referred books

4 co-editor of books and proceedings

136 contributions to other proceedings

2 extended abstracts

3 reports

4 editorials

Links to the complete list of publications:

www.researchgate.net/profile/Christoph-Adam

<https://scholar.google.at/citations?user=uRDkJqcAAAAJ&hl=de>

Scientific Research Impact (h-index)

22 Scopus

27 Google Scholar

27 ResearchGate

National and international cooperations

- Austria: Dietmar Adam, Prof.
Institute of Geotechnics, TU Wien
- Austria: Christian Bucher, Prof.; Rudolf Heuer, Prof.
Division of Mechanics and Structural Dynamics, TU Wien
- Greece: Dimitrios Vamvatsikos, Assoc.Prof.
School of Civil Engineering, National Technical University of Athens
- Italy: Antonina Pirrotta, Prof.
Dipartimento di Ingegneria Strutturale e Geotecnica, Università degli Studi di Palermo
- Slovenia: Matjaz Dolsek, Prof.
Faculty of Civil and Geodetic Engineering, University of Ljubljana
- USA: Luis F. Ibarra, Assoc.Prof.
Department of Civil & Environmental Engineering, University of Utah
- USA: Ricardo A. Medina, PhD
Simpson Gumpertz & Heger Incorporated, Massachusetts

Invited Talks and Lectures (selection)

- 2019: "Reliability assessment of highspeed train-bridge interaction" (semi-plenary lecture), 7th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering (COMPDYN 2019), Crete, GR
- 2017: "Exploiting passive structural control", Post-Earthquake Structural Rehabilitation – new materials and techniques. International Meeting, Università degli Studi di Perugia, IT
- 2016: "Reliability assessment of high-speed train railway bridges", Stochastics Mechanics 2016 Meccanica Stocastica (16SM&MS16), Capri, IT
- 2014: "Seismic assessment of historic brick-masonry buildings located in Vienna", Instituto de Ingeniería, Universidad Nacional Autónoma de México (UNAM), MX
- 2013: "Rough dynamic response prediction for simple railway bridges subjected to high-speed trains", International Conference on Advanced Dynamics and Model Based Control of Structures and Machines, Saint Petersburg, RU

Conference Organization

- 2019: Conference Chair (with G. Achs, FCP): 16. D-A-CH Tagung Erdbebeningenieurwesen & Baudynamik, Universität Innsbruck, AT
- 2013: Congress Chair (with R. Heuer, TU Wien): VEESD2013 - Vienna Congress on Recent Advances in Earthquake Engineering and Structural Dynamics 2013, TU Wien, AT
- 2008: Organizer (with R. Heuer, H. Irschik, F.G. Rammerstorfer): Festkolloquium/Symposium "Recent Advances in Mechanics of Solids and Fluids" on the occasion of the 70th birthday of Professor Franz Ziegler, TU Wien, AT
- 2005: Secretary General: Sixth International Congress on Thermal Stresses, TU Wien, AT
- 2005-: Organization of Mini-Symposia and membership in Scientific Committees for various International Conferences

January 11, 2022