Name: **Prof. Ing. Zdeněk Kala, Ph.D.**
Birth date: September 15th, 1971 (age 50)
Birth place: Brno, Czechoslovakia (now Czech Republic)

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Education
1995 - Faculty of Civil Engineering, Brno University of Technology
1998 – Ph.D. degree on the topic "Nonlinear Response of Steel Frames to Static Loadings"
2003 – Assoc. Prof. degree on the topic "Verification of Criteria for Design of Steel Structures by Methods of Reliability Analysis"
2008 – Prof. degree on the topic "Structures and Traffic Constructions"

Specialization, research interests and key words
Stochastic computational mechanics, global sensitivity analysis, structural reliability and safety, nonlinear structural mechanics, metal structures, stability of metal structures, thin-walled structures, buckling and lateral-torsional buckling, imperfection sensitivity studies (steel structures), geometrical nonlinear analysis of steel structures, Monte Carlo simulation techniques, mathematical statistics (random variables and random fields) connected with stability problems of steel structures, structural design, structural optimization, MCDM in civil engineering, RBI methods in power plants, sensitivity analysis in geotechnics.

Ph.D. students
Supervisor of 5 Ph.D. students: • 2006 "Fuzzy Sets and Stochastic Methods and their Applications in Civil Engineering" • 2011 "Experimental and probabilistic analysis of operational reliability of the bucket wheel excavator SchRs 1320/4x30" • 2005 "Reliability Analysis of Steel Columns with Encased Web in High Strength Concrete under Compression" • 2018 "Sensitivity Analysis of Stability Problems og Steel Structures" • 2021 "Analysis of Reliability of Steel Structures with Imperfections".

Successful applicant of the GA ČR projects
GAČR 103/99/P023 (1999–2000), GAČR 103/01/D022 (2001–2004), GAČR 103/03/0233 (2003–2005), GAČR 103/07/1067 (2007–2009), GAČR 103/08/0275 (2008–2010), GAČR 14-17997S (2014–2016), GAČR 17-01589S (2017–2019).

Successful applicant of the AV ČR projects
AVČR KJB201720602 (2006–2008), AVČR IAA201720901 (2009–2011).

Memberships Member of convocation of Faculty of Civil Engineering (2010-now).

Memberships in editorial boards
Guest editor of Special Issue Sensitivity Analysis of peer-reviewed journal Mathematics *• (2021-2022)
Member of editorial board of peer-reviewed journal Mathematics *• (2020-now)
Member of editorial board of scientific journal Communications • (2018-now)
Member of editorial board of scientific journal The Open Civil Engineering Journal • (2017-now)
Member of editorial board of scientific journal Czech Journal of Civil Engineering (2016-now)
Guest editor of scientific peer-reviewed journal Mathematical Problems in Engineering * (2015)
Member of editorial board of peer-reviewed journal Engineering Structures and Technologies (2012-now)
Member of editorial board of peer-reviewed Journal Civil Engineering and Management *• (2011-now)
Indexed on: *Web of Science (WOS) • Scopus

Selected teaching activities
Lectures on: Elasticity and plasticity (2000-now), Structural mechanics (2001-now).
Tutorial classes on: Elasticity and plasticity (1995-now), Statics of engineering structures II (1996-now), Reliability of engineering structures (1999), Automation of static calculations (2000), Fundamentals of structural mechanics (2001-now).

Selected courses and training abroad
Bauhaus-Universität Weimar, Faculty of Civil Engineering, Advanced Studies in Structural Engineering – CAE, Weimar, August 1st to August 14th, 1998.
Università degli Studi di Roma La Sapienza, October 25th to November 7th, 2005.

Professional practice
1995-2001 Designer of steel structures at the computation centre of the corporation Královopolská J.S.C., Czech Republic, specialized in calculation and designs of steel structures for nuclear power plants (Temelín, Mochovce).
2001-2003 Designer with the corporation Stress Analysis Group Ltd., specialized in static and dynamic analyses of load bearing steel structures. citation year 2019, citation year 2020

▸ **Highly Cited Researcher awards** from Stanford University together with Elsevier: citation year 2019, citation year 2020

Awards in TOP 10 competitions for the best publishing results
• Award of Dean, 1st place in faculty competition Top10 for the best publishing results in 2021
• Award of Dean, 3rd place in faculty competition Top10 for the best publishing results in 2020
• Award of Dean, 1st place in faculty competition Top10 for the best publishing results in 2019
• Award of Dean, 9th place in faculty competition Top10 for the best publishing results in 2018
• Award of Dean, 1st place in faculty competition Top10 for the best publishing results in 2017
• Award of Dean, 3rd place in faculty competition Top10 for the best publishing results in 2016
• Award of Dean, 1st place in faculty competition Top10 for the best publishing results in 2015
• Award of Rector, 9th place in university competition Top10 Excelence for the best publishing results in 2012
• Award of Dean, 1st place in faculty competition Top10 for the best publishing results in 2012
• Award of Dean, 5th place in faculty competition Top10 for the best publishing results in 2009