

**Professor Hrvoje Jasak received the 2018 Annual Award for Science
for his achievements in the field of technical sciences
at the ceremony held at the Croatian Parliament on 16 December 2019**

Hrvoje Jasak was born in Zagreb, Croatia in 1970. He graduated from the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb in 1992. Between 1993 and 1996 he studied numerical modelling and computational fluid dynamics (CFD) under the supervision of Prof. David Gosman at the Imperial College London, where he completed his PhD titled "Error analysis and estimation in the finite volume method with applications to fluid flows" in 1996. In this period, with colleagues from Prof. Gosman's group he started working on the development of an object-oriented numerical simulation library for continuum mechanics problems, titled Field Operation and Simulation (FOAM/OpenFOAM), an activity that he has been uninterruptedly involved in to this day.

His career combines academic activities and work for industry, including the development of commercial CFD software, extensive consultancy, academic research and teaching. In 2003, Prof. Jasak joined the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, as Adjunct Associate Professor at the Chair of Turbomachinery of the Department of Energy, Power and Environmental Engineering, having obtained full-time employment in 2011 and full professorship in 2016. To date, he has supervised 11 PhD theses, 31 master theses and held numerous visiting professorships, affiliated professorships and research positions (Mercator Fellowship, TU Darmstadt 2016-2020, Chalmers University, TU Delft, Seoul National University, University of Zaragoza, Federico Santa Maria Technical University, Valparaiso Chile, etc.)

In collaboration with his assistants Professor Jasak has published over 100 journal publications (WoS: 114; SCOPUS: 99) with an impact factor of 21 (SCOPUS) and 18 (WoS). He is among ten most cited researchers of the University of Zagreb with over 8,700 citations and an h-index of 30, while his PhD thesis has been cited over 1,500 times.

He initiated the OpenFOAM Workshop series of conferences (15 editions) and is a member of its Organising Committee. He also initiated the annual Summer School on numerical modelling and CFD NUMAP-FOAM (14 editions). His notable research projects include FP-7 Project MoDeNa (2014-2016), TULCS (2008-2012); Tempus NEED (2006-2009), NSP-ME (2005-2009), NUSIC (2003-2008), Predictive Modeling and Experimental Validation of Multi-component Dense Spray Dynamics KAUST-CSR (2017-2021), Bureau Veritas-Hyundai Heavy Industries JDP (2014-2017), SOPHYA (2016-2018) and many others.



Prof. Hrvoje Jasak with Prof. Blaženka Divjak (left), Minister of Science and Education, and Prof. Željko Reiner (right), Vice President of the Croatian Parliament and full member of the Croatian Academy of Sciences and Arts.

Ivo Senjanović