

Prof. Dr. Božidar Šarler

Božidar Šarler was born in Maribor, Slovenia. He is since ten years Professor of Materials Science and Engineering and Head and Founder of the Laboratory for Multiphase Processes at the University of Nova Gorica, Slovenia. He was previously employed for seven years at the University of Ljubljana, and for eleven years at the Jožef Stefan Institute.

He received his Ph.D. in Technical Sciences from the University of Maribor, Slovenia in 1991. He worked abroad cumulative for more than four years as a researcher at Centre of Nuclear Studies, Saclay, University Erlangen-Nürnberg, Nürnberg, Argonne National Laboratories, Chicago, and as a visiting professor at the University of Nevada, Las Vegas, University of Pierre and Marie Curie, Paris, and Polish Academy of Sciences, Warsaw.

His present research interest is computational modeling of materials and processes, development of numerical methods and physical models for multiphase systems, modeling, simulation, verification and optimization of continuous casting of aluminum alloys and steel. He was responsible for modernization and introduction of computational modeling in several steelworks and aluminum plants over Europe. He published more than 75 scientific papers and book chapters, more than 100 conference papers, and edited 5 books with selected papers from international conferences and contemporary research. He contributed to more than 250 technical reports. He presented introductory keynotes at more than 10 international conferences of the prestigious type like EUROMAT, EUROSIM (EU), and TMS (USA).

He has managed several international projects within Copernicus, COST, 5th and 6th E.U. frameworks, NATO, and National Academies, USA.

He received the following awards and recognitions: 2009 EMERALD Literati Highly commended author award, 2007 Primorska prize for technology transfer, 2006 - Slovenian state award Janez Puh for Modeling of materials and processes, 1998 - Recognition of Faculty of Mechanical Engineering, University of Ljubljana for Outstanding basic and applied research, and best paper selection at 5 international conferences.

He is currently a member of the editorial boards of five international journals and two book series. He served in scientific committees of more than 60 international conferences. He is a member of several Slovenian and international scientific societies.

He has organized eight international conferences on solid-liquid phase change processes, moving and free boundary problems, and meshless methods.

His Ph.D. students received several awards such as ECCOMAS best Ph.D. finalist award, Jozef Stefan golden emblem award for best Ph.D in Slovenia, Slovenian sustainable development award, etc.