Lecturers’ profiles

Alberto Valli
Alberto Valli is full professor of mathematical analysis at the University of Trento, Italy, since 1987. He has been assistant professor and then associate professor at the same University, senior fellow at the University of Minnesota, Minneapolis (U.S.A.), visiting professor at the University of Paris Sud (France), at the University of Karlsruhe (Germany), and at the Ecole Polytechnique Federale of Lausanne (Switzerland). His scientific interests are: numerical approximation of partial differential equations (especially in fluid dynamics and electromagnetism), finite element methods, domain decomposition methods.

Personal webpage: [http://www.science.unitn.it/~valli/](http://www.science.unitn.it/~valli/)

Latest publications:

Eleuterio F. Toro
Eleuterio F. Toro is full professor of numerical analysis at the University of Trento, Italy, since 2002. His academic qualifications include BSc honours in pure mathematics (UK, 1977); Master in functional analysis and differential equations (UK, 1978); PhD in computational mathematics (UK, 1982). Distinctions awarded include: Honorary title OBE (Officer of the Order of the British Empire, UK, 2000); Fellow of the Society for Shock Wave Research (India, 2005); Doctor Honoris Causa (Universidad de Santiago de Chile, 2008). Previous appointments include: “EPSRC Senior Research Fellow”, University of Cambridge, UK. Full professor of applied mathematics at the Manchester Metropolitan University, UK.

Research interests include: numerical methods for partial differential equations of the advection-reaction-diffusion type, with application to medical, environmental, industrial and scientific problems.
Professor Toro is author of two books on numerical methods for partial differential equations for researchers. In addition, he is editor of two books on numerical methods and applications. He is also author of numerous articles and other publications.

Personal webpage: [http://www.ing.unitn.it/~toroe/](http://www.ing.unitn.it/~toroe/)

**Latest publications:**

Michael Dumbser

Michael Dumbser is associate professor in numerical analysis at the University of Trento, Italy. His qualifications include MSc (Germany, 2000) and PhD (Germany, 2005). Distinctions awarded to Prof. Dumbser include University of Stuttgart price for best master thesis (2000); Region of Baden-Württemberg, Germany, for excellent, innovative high quality teaching; Heinz Maier-Leibnitz prize 2007 of the German Science Foundation (Deutsche Forschungsgemeinschaft, DFG). His research interests include development and implementation of very high order accurate numerical methods on general unstructured meshes for the solution of time-dependent partial differential equations in complex, industrially relevant, geometries. Prof. Dumbser is author of numerous publications in reputed scientific journals.

Personal webpage: [http://www4.unitn.it/People/it/Web/Persona/PER0029602](http://www4.unitn.it/People/it/Web/Persona/PER0029602)

**Latest publications:**
Ana Alonso Rodriguez
Ana Alonso Rodriguez is associate professor of numerical analysis at the University of Trento, Italy. She obtained her PhD in Applied Mathematics from the Universidad Complutense de Madrid (Spain) in 1993, and has been assistant professor at the Department of Applied Mathematics of the Universidad Complutense de Madrid, at the University of Milan (Italy) and at the University of Trento. Her research interests are mainly focused on numerical approximation of partial differential equations, computational electromagnetism, finite element methods, domain decomposition methods and inverse problems.

Personal webpage: [http://www.science.unitn.it/~alonso/](http://www.science.unitn.it/~alonso/)

Latest publications: