



Università degli Studi della Basilicata  
**Scuola di Ingegneria**

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PROF. Aldo Bonfiglioli

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SCIENTIFIC CURRICULUM VITAE:

Aldo Bonfiglioli graduated on July 16th 1992 summa cum laude in Mechanical Engineering from the TUBari; on July 30th 1993 he obtained the Diploma Course with honours in Fluid Dynamics from the VKI; on October 4th 1996 he obtained the Doctoral Degree from TUBari.

Research fellow at VKI since March 1995 until May 1996, on May 16th 1996 he became Assistant Professor in Fluid Machinery at the University of Basilicata (UniBAS). Since October 1st 2007 he is Associate Professor in the same University.

During September-October 1999 he took part in the TRACS programme at EPCC, funded by a TMR fellowship. Since January 2000 until February 2001 he has been visiting the Queen Mary and Westfield College, the University of London, working on the simulation of incompressible un-steady flows using unstructured grids in collaboration with Prof. M.A. Leschziner.

Awarded with a Fulbright fellowship, since 1.10.2003 until 31.3.2004 he has been visiting the University of Michigan, Ann Arbor, where he collaborated with Prof. P.L. Roe on the simulation of hypersonic flows by means of unstructured-grid methods. Since 06.10.2004 until 4.12.2004 he has been visiting the SINUMEF laboratory at ENSAM, Paris, collaborating with Prof. A.Lerat and C.Corre on the development of RBC schemes on unstructured meshes.

He took part in a number of national and international research programmes:

Brite EuRam programme AERO-92-004-CT, PRIN 1999, PRIN 2001, Agenzia 2000, (CNRC000C3F), PRIN 2003, PRIN 2004, Progetto GALILEO 2006; PRIN 2007.

His research activity deals with the development of numerical methods in CFD and their applications to the simulation of flows of aeronautical and turbomachinery interest.

Topics of current interest are: 1) development of fluctuation splitting schemes on unstructured meshes 2) shock-fitting methods on unstructured grids 3) parallel preconditioners for CFD applications 4) low-speed preconditioning techniques.

He authored 26 documents indexed in Scopus.

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PROFESSOR'S OFFICE HOUR: monday to friday 9:00 – 12:00

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