



Università degli Studi della Basilicata  
Scuola di Ingegneria

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PROF. ANTONIO D'ANGOLA

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SCIENTIFIC CURRICULUM VITAE:

Antonio D'Angola has received the Master Degree in Nuclear Engineering in 1996 and the Ph.D. in Energetics in 2000 both at Politecnico di Torino, Italy. In 2000 he has been Visiting Researcher at the Plasma Technology Research Centre (CRTP) of Sherbrooke, Quebec. Since 2004 he is Assistant Professor at the University of Basilicata, actually in Nuclear Reactor Physics.

The scientific activity and areas of interest are: numerical methods for the simulation of plasmas by using Particle-In-Cell and Monte Carlo codes, calculation of thermodynamic and transport properties of ionized plasmas for industrial and aerospace applications (Equiltheta project <http://phys4entrydb.ba.imip.cnr.it/EquilTHETA/index.php> ), kinetic and fluid dynamic investigation of non-neutral plasmas for ultra-high vacuum systems, design of plasma torch with high efficiency and laser-plasma interaction for medical applications. His research activity also focuses on the design and investigation of innovative renewable energy systems and solutions.

He is Associate Researcher of the Institute of Nanotechnology NANOTEC, CNR, Bari, Italy and Associate Editor of the journal *Frontiers in Plasma Physics*. He is co-author of more than 80 scientific publications among international peer-reviewed journal articles, books and refereed proceedings of international conferences.

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PROFESSOR'S OFFICE HOUR:

thursday 11.30-13.30 – room n. 69, 5th floor – SCUOLA DI INGEGNERIA, CAMPUS DI MACCHIA ROMANA, Via dell'Ateneo Lucano, 10 Potenza, Italy

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