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PROF. Paolo Di Girolamo

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SCIENTIFIC CURRICULUM VITAE:

Laurea degree in Physics at Università degli Studi di Roma "La Sapienza" (28 April 1988). PhD in "Methods and Technologies for Environmental Monitoring" (VIII cycle, 4 November 1996), Università di Firenze. Researcher with tenure-track position at Institute of Methodologies for Environmental Analysis, Italian National Research Council - CNR-IMAA. Researcher with tenure position at Università della Basilicata at the Engineering Faculty (since August 1996, confirmed in the position in 2000). In 2000 and 2002 he was Visiting Assistant Research Scholar at University of Maryland Baltimore County-JCET and la NASA Goddard Space Flight Center. In January 2001 he was nominated member of the Scientific Preparatory Group for the Water Vapour Lidar Experiment in Space (WALEX) of the European Space Agency (ESA) and in January 2002 he was nominated member of the Mission Advisory Group of WALEX.

The research activity of Dr. Di Girolamo includes the design, the development and operation of ground-based and satellite-borne Raman and DIAL lidar systems for the study of atmospheric parameters for meteorological and climate purposes and the development of algorithms for lidar data analysis. The research is ultimately finalized to the analysis of lidar measurements or the study of microphysical, radiative and dynamical processes in the atmosphere, with particular emphasis on aerosol and water vapour research. The design and sizing of lidar systems, especially for space applications, imply the development of simulation codes to assess the performances of lidar systems, which is another important aspect of Di Girolamo's research activity. He was awarded the Inaba Price for year 2002, which is awarded every other year from the International Committee for Laser Atmospheric Studies for the best contribution by a scientist under the age of 40 in the frame of the International Laser Radar conference (XXI ILRC, Quebec, July 2002).

Elected member of the International Radiation Commission - IRC (2005-2013). Elected member of the International Coordination-Group on Laser Atmospheric Studies – ICLAS (since July 2006 till June 2012). Elected member of the International Science Steering Committee of the Convective and orographically-induced precipitation study (since September 2004). Elected member of the International Executive Committee of the Hydrological Cycle in the Mediterranean Experiment – HYMEX (since January 2012). He has been "Chairman", member of the "Program Committee" and of the "Scientific Committee" in about 20 International Conferences and Symposia. He is author of about 65 papers in International Journals and more than 200 publications in international volumes and international and national conferences.

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PROFESSOR'S OFFICE HOUR:

Potenza, Tuesday 14:00-15:00, Wednesday 14:00-15:00. Macchia Romana Campus, Scuola di Ingegneria (V floor, building Ingegneria, room 17 or 33 ter).

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