

Mario Aristide Lenzi

Mario Aristide LENZI is Full Professor at the Department Land, Environment, Agriculture and Forest (L.E.A.F.), University of Padova since 2005, where he teaches "Fluvial morphology, stream and river restoration", "Hydraulic hazards and land protection". His research interests include: monitoring and modeling hydro-morphological processes at different spatial and time scales; sediment and large wood transport, dynamics, monitoring and modeling; linking river-stream riparian vegetation and morphology; river and stream restoration; wood and fluvial ecosystems; debris flow and large wood hazard assessment; assessment sediment yield and sediment budget in mountain catchments; filtering retention check-dams; flow resistance and local scouring processes at grade-control structures .

Prof. Lenzi authored or co-authored more than 160 publications of which 80 publications in International Journals with an h-index = 27 and a number of total Citations = 1.621 (sources: Scopus, March 2016); Research Gate RG Score = 32,35. In relation to Italian VQR assessment 2004-2010, from the 3 scientific product presented by the L.E.A.F. Department, Prof. Lenzi obtained a final evaluation of Excellent for each publications (Total result: 3 time excellent).

Director of the PhD research SCHOOL "Land, Environment, Resources and Health" of the University of Padova during the period 2009-2016, Prof. Lenzi obtained the following awards: a) 2010 Water International Best Paper Award for the Paper "Forest and floods in Latin America: science, management, policy and the EPIC FORCE project"; International Water Resources Association; XIV World Water Congress, Porto di Galinhas, Brasil, September 2011; b) Best Poster Award, given by the Scientific Committee of the "International Workshop Advances in River Science", Swansea (Gales-UK), 18-21 April 2011.

INTERNATIONAL PROJECTS: a) Italian and University of Padova Research Unit Coordinator of the EU-FP7 Alpine Space Program, Project "SedAlp, Sediment management in alpine basins, integrating sediment continuum, risk mitigation and hydropower", with 13 partners coming from Austria, Germany, France, Slovenia and Italy; Responsible of the Work Package WP7-Sediment Management (including large wood), of the SedAlp Project; 2012-2016; b) Italian and University of Padova Research Unit Coordinator of the EU Research Project FP7 EPIC-FORCE: Evidence-based policy for integrated control of forested river catchments in extreme rainfall and snowmelt, 2006-2009; Partners: Universities of Newcastle (UK), University of Padova (Italy), Politecnica University of Madrid (Spain), University of Cuenca (Ecuador), University Austral, Valdivia (Chile), University of San Josè (Costa Rica); University of Patagonia, Ushuaia (Argentina); c) Scientific Coordinator of the University of Padova for the International Program for Western Europe "Flow hydraulics along step-pool channels", supported by the Colorado State University and National Science Foundation of USA, 2001-2002; d) Scientific Coordinator of UE Projects EROSLOPE II "Dynamic of sediments and water in Alpine catchments: processes and prediction", 1996-1999; DAMOCLES: Debris-fall hazard assessment in mountain catchments for local end users, 2000-2003; e) Italian Delegate for the FP5-COST ACTION FP0601-FORMAN-Forest management and the water cycle, Working Group 3- 2008-2011; f) Associate Investigator at the Marie Curie Actions-People, IRSES SERELAREFA- Semillas Red Latina Recuperaciòn Ecosistemas Fluviales y Acuáticos, 2010-2012; g) Associate Investigator and Professor of the University of Padova in the framework of the International Networking financed by the World Bank: Project for initiation research collaborations of excellence "SUSTAINABLE HYDRO-ELECTRICITY (SHE) WITH EMPHASIS ON SEDIMENT MANAGEMENT AND DESIGN FLOODS", coordinated by the University of Concepciòn, CHILE, in collaboration with the Universities of Newcastle, Southampton, Exeter, UK; University of Idaho, USA; the Polish Academy of Sciences, POLAND; the CSIC Madrid, SPAIN; 2009-2011.

ITALIAN PROJECTS: a) National Scientific Coordinator of the PRIN2010-11, prot. 20104ALME4-"National network for monitoring, modeling and sustainable management of erosion processes in agricultural lands and hilly-mountainous areas"; b) Principal Investigator of the University of Padova Competitive Research Project "WoodAlps: Linking large wood and

morphological dynamics of gravel bed rivers of Eastern Italian Alps”, 2014-15; c) Scientific Coordinator of the Research Unit L.E.A.F. Department (UNIPD) in the framework of the Strategic-Excellent Research Project financed by the University of Padova "GEORISKS: Geological, hydrological and morphological processes: monitoring, modeling and impacts in the north-eastern Italy", 2009-2012, coordinated by the Geosciences Department of the UNIPD; d) Principal Investigator of the L.E.A.F. Department on the University of Padova-CARIPARO Excellent Research Project "Linking geomorphological processes and vegetation dynamics in gravel bed rivers, 2009-2012; e) Principal Investigator UNIPD team within the Italian National Research project PRIN-2004-PRIAMO "Stream restoration works, from the flume to the field" ; f) Principal Investigator of the University of Padova Research Project "Hydraulic control and restoration of mountain streams according to morphological and environmental criteria", 2001-02; g) Principal Investigator for the National Research project MIUR "Sistema Lagunare Veneziano", research line "Self-depuration capacity of fluvial systems", 1996-2003.

CHAIRMAN and organizer of the 3rd International Conferences WOOD in WORLD RIVERS 2015 (WWR3-2015); University of Padova, July 6-10, 2015; WWR3-2015 key figures: 5 key notes speakers, 74 papers selected, 95 participants, 2 technical tours, Proceeding Extended Abstracts edited (253 pages), Special Issue on GEOMORPHOLOGY approved and in due course. Invited Key Note Speaker and Scientific Committee's member of the following International Conferences: a) WWR3-2015, July 6-10, 2015, UNIPD, Italy; b) 5th International Conference on Debris-Flow Hazard, Mitigation: Mechanics, Prediction and Assessment; June 14-17, 2011, University of Padova, Italy; c) First International Conference Monitoring, Simulation, Prevention and Remediation of Dense and Debris Flow, Rhodes, Greece, June 7-9, 2006; d) 2nd International Conference Monitoring, Simulation, Prevention and Remediation of Dense and Debris Flow, The New Forest, Southampton, UK, June 18-20, 2008; e) 3rd International Conference Monitoring, Simulation, Prevention and Remediation of Dense and Debris Flow, Milano, Italy, May 24-26, 2010.

Member of Scientific Commission of the University of Padova- Agricultural and Veterinarian Sciences Peer Review Evaluation Panel; 2009-2012. Supervisor of 20 PhD students from 1995 to 2015, 4 of which in the framework of International Joint Doctorate Agreement with: a) the Politecnica University of Madrid, Spain, b) the University Austral of Valdivia, Chile, c) the European Union International Joint Doctorate Agreement FONASO: Forest and Nature for Society. ACADEMIC QUALIFICATIONS: Full Professor, University of Cuyo, Mendoza (Argentina), 1993; Visiting Professor University of Tucumàn (Argentina), 2001; Visiting Professor University Austral, Valdivia (Chile), 2002; Lecturer in 1997 "Torrential hazards, erosion and floods" , Summer European University on Natural Hazards, Switzerland, 1997 ; Lecture/Professor Socrates-Erasmus TS TMP, Politecnica University of Madrid, (Spain) 2000; Lecturer Master "Hydrological-geological hazard assessment and mitigation", University of Padova, 2001-06; Lecturer Master "Watershed Management", University of Palermo, 2006-07. VISITING RESEARCH: 1995, Oregon State University, (USA); 1998, Hydraulic Laboratory of Wallingford, Oxford, UK; 2002, Colorado State University, Fort Collins, Colorado, USA. SCIENTIFIC COORDINATOR of the PhD "Watershed management and Geomatic", UNIPD, 2002-2007; President Degree-Course Board "Land protection and maintenance", UNIPD, 2003-2009; Vice-president of the Degree-course Board in Environmental and Forest Science, UNIPD, 1995-2001.

PRESIDENT 1° Section "Water and Soil", National Italian Society of Agricultural Engineering-AIIA; from 2013.

EXPERT MEMBER, International Hydrological Program, UNESCO-ORCYT, 1992-1994 ; Expert member of the Scientific Commission European Group for Alpine Catchments Management, FAO, 1992-2000; EXPERT MEMBER, Review Panel, Commission of European Communities, DG XII, 1995; EXPERT MEMBER UNESCO IHP-V 2.3/2.4 ECOHYDROLOGY, Pilot Core Activity "Quantification of Biological-Ecological Processes for Planning and Management of River Restoration, 1999-2001.

MEMBER, Editorial Board of "Cuadernos de Investigación Geográfica" Journal, since 2012; "Quaderni di Idronomia Montana" journal, since 1998 ; Journal Environmental Management, 1999-2003 ; Editorial Board "Ingenieria del Agua" Journal, 2000-05; Editorial Board of "Excerpta" Journal, 1998-2000; Associated Editor WIT Transactions on Ecology and the Environment, WIT Press, Southampton, UK, 01/2004-12/2007; Associated Editor WIT Transactions on Engineering Sciences; WIT Press, Southampton, UK, 01/2008-12/2012.

Secretary of the Hydraulic Italian Group, 1998-2000. "Referee" International ISI Journals ESPL, WR, WRR, JHR, JHE-ASCE, RRA, CATENA, HP, JH, GEOMORPHOLOGY, AWR, JGR-Earth Surface, Ecohydrology. Member of "Accademia Italiana di Scienze Forestali", from 2004; AGU, since 2000; EGU, since 2002; New York Academy of Sciences, from 1998.

Director of the Inter-Department Service Center of AGRIPOLIS, Agriculture and Medicine Veterinarian Faculty, UNIPD, LEGNARO (PD), 2004-06.