

CURRICULUM VITAE ET STUDIORUM
Luigi Petti, Ph.D.

Experienced Researcher - Professor of "Earthquake Engineering", Department of Civil Engineering, and University of Salerno;

Regular Teaching Contributor in Seismic Engineering at the University of Kassel, Germany, since 2005;

ReLUIS Member, Network of University Laboratories of Seismic Engineering, Italy, since 2005;

Deputy of Rector (University of Salerno) to the Shareholders of the AMRA Scarl Consortium;

General Secretary of ICOMOS Italy, UNESCO advisory body;

Expert Member of International Scientific Committee ICORP (International Scientific Committee on Risk Preparedness).

Research activities:

Methodologies and procedures of analysis of the seismic behavior of buildings;

Analysis of static and seismic safety of existing structures;

Analysis of seismic risk of existing buildings and monumental buildings;

Methodologies and innovative strategies for control of the seismic response of existing and new construction buildings;

Innovative design methodologies and procedures for the strengthening of monumental buildings;

Scientific Responsible:

European Research Project ADAPT-TREAT on the sustainable recovery of existing structures and urban areas from 1994 to 1999;

Research project PON Reti e Mobilità 2007-2013 "Strit - Tools and Technologies for Risk Management of Transport Infrastructure" - Unit UniSA.

DFG research project "TeSSPACS - Tendon System for Seismic Protection of Antique Column Structures" - Unit UniSA.

Research Projects FARB "Analysis of the structural safety in conditions of seismic loading."

Participation in scientific projects:

European Project and-RUPTION, "A Satellite Telecommunication and Internet-Based Seismic Monitoring System for Volcanic Eruption Forecasting and Risk Management" Fifth Framework Programme, Environment and Sustainable Development, The Fight Against Natural and Technological Hazards, 2003-2005.

FP7 European project "ROVINA - Robots for Exploration, Digital Preservation, and Visualization of Archaeological Sites".

Research Projects FARB "Innovative strategies of seismic protection of buildings" since 2006.

Publications:

Author of more than 177 scientific and technical publications in journals and national and international conferences, reviewer of International scientific journals, chairman of International Conferences sessions on Seismic Engineering.

Professional works:

Fields of works:

Static restoration of monuments;

Risk analysis of urban centers and historic urban centers;

Vulnerability analysis of existing structures;

Innovative seismic protection strategies;

Bridges;

Special structures;



Scientific Committee of IEREK Conferences