

## Curriculum vitae, Luciano Picarelli

Luciano Picarelli is Full Professor of Soil Mechanics, Department of Engineering, Università della Campania “Luigi Vanvitelli”.

### Present activities

Luciano Picarelli is chairman of the *Joint Technical Committee (JTC1) Natural Slopes and Landslides* established by FedIGS (Federation of the International Geo-Engineering Societies) and *Associate Editor* of the international journal *Landslides*

### Further activities in the past

Luciano Picarelli has been:

- Chairman of the Board of the professors in Civil Engineering and in Environmental Engineering, Seconda Università di Napoli;
- Director of the Research Centre in Environmental Engineering (C.I.R.I.A.M.), Seconda Università di Napoli;
- coordinator of a consortium of european universities within the Erasmus project;
- member of the *Commissione Nazionale Grandi Rischi* (National Commission for “Forecasting and Predicting Severe Risks”), section “meteo and hydrogeologic risks”;
- member of the Technical Scientific Committee of the National Department for Civil Protection;
- Chair of the National Committee *Earthworks, Drainage, Subgrade* of the *Permanent International Association Road Congresses (P.I.A.R.C.)* and member for Italy of the same International Committee;
- member of the Technical International Committee *Indurated Soils and Weak Rocks*, ISSMGE;
- member of the Technical International Committee *Earthquake Geotechnical Engineering*, ISSMGE;
- member of the Technical International Committee *Landslides*, ISSMGE;
- member of the Technical International Committee *Slope Stability in Engineering Practice*, ISSMGE;
- member of the Board of the National Geotechnical Society, A.G.I.;
- member of the Editorial Committee of the journal *Rivista Italiana di Geotecnica*;
- member of the scientific committee and advisor for the Competence Centre *Analysis and Monitoring of Environmental Risks*, AMRA.

### Further activities

Luciano Picarelli is author of more than 200 papers and books and has delivered lectures, conferences and classes in Italy and outside. He has been coordinator of national and international research projects, promotor and editor of the proceedings of the International Symposium on *The Geotechnics of Hard Soils - Soft Rocks* (Napoli 1998), International Conference on *Fast Slope Movements – Prediction and Prevention for Risk Mitigation* (Napoli 2003), International Workshop on *Occurrence and Mechanisms of Flow-Like Landslides in Natural Slopes and Earthfills* (Sorrento 2003), of the International Forum on *Slope Safety Preparedness for Impact of Climate Change* (Napoli 2015). Also, he has been the promotor of the *Italian Workshops on Landslides*, held in 2009, 2011, 2013, 2015, 2018, and of the *Mediterranean Workshop on Landslides* (2013) and of the *JTC1 International Workshops* held in Barcellona in 2017 and in Hong Kong in 2018. He is reviewer for international research centres and journals. Through the JTC1 he established the *Heim*

*Lecture* which is held during the *International Symposia on Landslides (ISLs)* and the *Hutchinson Lecture*, which is entrusted to young researchers, delivered during the *JTCI Workshops*.

Finally, he has been an advisor for public research organizations (National Department for Civil Protection, Molise Region, Campania Region, local communities), member of committees for the evaluation of PhD Theses in Italy and outside, and scientific consulting for private companies in Italy and outside mainly in the domain of landslides and landslide risk mitigation.

### **Awards**

In 2008 Luciano Picarelli delivered the annual *Arrigo Croce Lecture*, an award assigned every year by the Italian Geotechnical Society to a distinguished Italian or foreign scholar capable to highlight the practical outputs of theoretical research in Soil Mechanics.

In 2014 in Beijing he received the *Varnes Medal*, an award delivered every year by the International Consortium on Landslides (ICL) to a distinguished researcher in the domain of landslide analysis.

In 2015, in Ljubljana, he delivered the Suklje Conference; in the same year, he got the award for the best paper issued in 2014 on the journal *Landslides*.

### **Main reports and lectures**

Neglecting lectures and classes at local communities in Italy, in the following are reported the main reports and lectures delivered by Luciano Picarelli in Italy and outside:

- 1986 Panel Report, 16<sup>th</sup> Italian Geotechnical Conference (Bologna)
- 1986 Generale Report, 20<sup>th</sup> National Road Congress (Cagliari)
- 1987 Invited Lecture, International Workshop *Natural Disasters in European-Mediterranean Countries* (Perugia)
- 1988 Technical Report, 21<sup>th</sup> National Road Congress (Trieste)
- 1989 Two lectures, University of Alberta, Edmonton, Canada
- 1989 Lecture, Université Laval, Québec, Canada
- 1990 General Report, National Conference *Deformazioni prima della rottura e resistenza dei terreni naturali e delle rocce* (Ravello)
- 1991 Invited Report, 5<sup>th</sup> National Conference on Geosynthetics (Bologna)
- 1993 Panel Report, 18<sup>th</sup> Italian Geotechnical Conference (Rimini)
- 1993 Panel Report, International Symposium *The Geotechnics of Hard Soils-Soft Rocks* (Athens)
- 1995 Invited Lecture, International Workshop *Glissements de Terrain: Le Cas du Nord Marocain* (Casablanca, Morocco)
- 1996 Lecture, École Nationale des Travaux Publics de l'Etat (Vaulx-en-Velin, Francia)
- 1996 Invited Report, *Arrigo Croce Memorial Symposium on Geotechnical Engineering for the Preservation of Monuments and Historic Sites* (Napoli)
- 1996 Lecture, Université Laval, Québec
- 1997 Invited Report, International Workshop *Localization and Bifurcation in Soils and Rocks* (Gifu, Japan)
- 1998 Invited Report, Class on *Caracterização Geotécnica de Movimento de Taludes no Contexto Brasileiro*, Universidade Federal de Rio de Janeiro
- 1998 Introductory Report, 2<sup>nd</sup> International Symposium *The Geotechnics of Hard Soils – Soft Rocks* (Napoli)
- 1999 Invited Report, Conference *Prediction and Prevention of Fast Slope Movements* (Trento)
- 2000 *KeyNote Lecture*, 7<sup>th</sup> International Symposium on Landslides (Cardiff, UK)
- 2000 Issue Paper, International Conference *Geotechnical and Geological Engineering GeoEng2000* (Melbourne)
- 2001 Invited Report, *Conferenze Monregalesi* (Mondovi)

- 2001 *Key-Note Lecture*, International Workshop *Transition from Slide to Flow* (Trabzon, Turkey)
- 2002 Invited Report, 9<sup>th</sup> *Conferenze di Meccanica ed Ingegneria delle Rocce* (Torino)
- 2002 Invited Report, International Workshop *Characterisation of Natural Soils* (Singapore)
- 2002 Invited Report, 28<sup>th</sup> National Conference on Hydraulics and Hydraulic Works (Potenza)
- 2003 Invited Report, 19<sup>th</sup> *Conferenze di Geotecnica* (Torino)
- 2003 Introductory Lecture, International Workshop *Occurrence and Mechanisms of Flows in Natural Slopes and Earthworks* (Sorrento)
- 2004 General Report, 8<sup>th</sup> *International Symposium on Landslides* (Rio de Janeiro)
- 2004 Invited Report, International Workshop *Landslides and Lifelines* (Rio de Janeiro)
- 2004 Invited Report, International Workshop *Characterisation and Engineering Properties of Natural Soils* (Québec)
- 2005 Invited Report, EGU General Assembly (Vienna)
- 2005 *State-of-the-Art no 2 Report*, International Conference *Landslide Risk Management* (Vancouver)
- 2005 Introductory Report, International Workshop *Flow-Like Landslides and other Types of Fast Landslides - Mechanisms and Modelling* (Torino)
- 2005 Panel Report, 16<sup>th</sup> ISSMGE Conference (Osaka, Japan)
- 2005 Invited Report, 2<sup>nd</sup> National Forum *Rischio di frana e assetto idrogeologico nei territori collinari e montani. Questioni, metodi, esperienze, a confronto* (Rimini)
- 2006 Invited Report, 20<sup>th</sup> *Conferenze di Geotecnica* (Torino)
- 2006 *Key Note Lecture*, International Conference *Physical Modelling in Geotechnical Engineering* (Hong Kong)
- 2006 Invited Report, International Report *Guidelines for Landslide Susceptibility, Hazard and Risk Zoning* (Barcellona)
- 2006 Invited Report, International Workshop *The Mechanics and Velocity of Large Landslides* (Courmayeur)
- 2006 Invited Report, 21<sup>st</sup> *Conferenze di Meccanica e Ingegneria delle Rocce* (Torino)
- 2006 Invited Report, 2<sup>nd</sup> International Workshop *Characterisation of Natural Soils* (Singapore)
- 2006 Invited Report, Forum *Gestion des Risques Naturels* (Nice)
- 2007 Invited Report, Workshop *Cambiamenti Climatici e Dissesto Idrogeologico: Scenari Futuri per un Programma Nazionale di Adattamento* (Napoli)
- 2007 Invited Report, *Forum 2007 Landslide Disaster Management* (Hong Kong)
- 2007 Invited Report, International Workshop *Recent Development in Natural Terrain Risk Mitigation* (Hong Kong)
- 2008 Round Table, 10<sup>th</sup> *International Symposium on Landslides* (Xi'an, Cina)
- 2008 *Key Note Lecture*, 1<sup>st</sup> *World Forum on Landslides* (Tokyo)
- 2008 Lecture, *École des Mines* di Parigi
- 2008 8<sup>th</sup> *Arrigo Croce Lecture* (Roma)
- 2009 Invited Report, EGU General Assembly (Vienna)
- 2009 Invited Report, Conference *La frana del Tessina: laboratorio naturale per la ricerca applicata alla protezione del territorio* (Belluno)
- 2010 Lecture, LARAM International School, Salerno
- 2010 Lecture, Université Laval, Québec, Canada
- 2011 Lecture, LARAM International School, Salerno
- 2011 12 classes on *Mechanics of landslides and debris flows on natural terrain* at Korean Institute of Geosciences and Mineral Resources (KIGAM), Daejeon, South Korea
- 2011 Lecture, Seoul National University, South Korea
- 2011 Invited Report, 23<sup>th</sup> *Conferenze di Geotecnica*, Torino
- 2012 Invited Report, International Workshop *Extreme Rainfall-Induced Landslides* (Rio de Janeiro)

- 2012 Round Table, International Workshop *Extreme Rainfall-Induced Landslides* (Rio de Janeiro)
- 2012 Invited Report, 4<sup>th</sup> International Conference, *Geotechnical and Geophysical Site Characterization* (Porto de Galinhas, Pernambuco, Brazil)
- 2012 Invited Report, 4<sup>o</sup> *Symposio Panamericano de Deslizamientos* (Paipa, Colombia)
- 2013 Invited Report, International Conference *Landslide Risk*, Ain Drahan (Tunisia)
- 2014 Lecture, Université Laval, Québec, Canada
- 2014 *KeyNote Lecture*, 12<sup>th</sup> *IAEG Congress* (Torino)
- 2014 Invited Report, 15<sup>th</sup> *Conferenze di Meccanica ed Ingegneria delle Rocce* (Torino)
- 2015 *Suklje Lecture*, Lubiana
- 2016 Invited report, MetroGeotechnics Conference, Benevento
- 2017 Invited report, 7<sup>th</sup> *Conferencia Brasileira sobre Estabilidade de Encostas*, Florianopolis, Brazil
- 2018 Invited Lecture, 1<sup>st</sup> *International Symposium on Debris Flow Mechanisms and Mitigation for Sustainable Development*, Hong Kong
- 2019 Invited lecture, *International Conference on Silk-Roads Disaster Risk Reduction and Sustainable Development, SIDDR*, Beijing
- 2019 Invited Lecture, *International Workshop on Complex Formations: Characterization and Case Studies*, Torino