

PAOLO TAROLLI

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SUMMARY

Paolo Tarolli is Professor in *Integrated Watershed Management* and *Water Resources Management*, and Principal Investigator of *Earth Surface Processes and Society research group* at University of Padova (Italy). He is also Visiting Professor at Dalian University of Technology (P.R. China), and Adjunct Professor at University of Georgia (USA) and Alexandru Ioan Cuza University of Iași (Romania). He is *Deputy President* of the Natural Hazards Division of the European Geosciences Union (EGU), and *Vice President* of the 7th section (Information and Communication Technologies) of the Italian Association of Agricultural Engineering (AIIA).

He is expert in digital terrain analysis, earth surface processes analysis, natural hazards, geomorphology, hydro-geomorphology, lidar, structure-from-motion photogrammetry; new research directions include the analysis of topographic signatures and impact of human activities, focusing on agricultural landscapes & land degradation. Tarolli is *Chief Executive Editor* of *Natural Hazards and Earth System Sciences*, and *Associate Editor* of *Remote Sensing, Land Degradation & Development*, in addition to editorial board membership of other 8 journals. He is author of 128 papers published in international peer reviewed journals with the following publication metrics: Google Scholar (**h-index 40**, total citations 5555, number of articles with 100+ citations 15, number of articles with 200+ citations 5, number of articles with 300+ citations 1), SCOPUS (**h-index 36**, tot. citations 4133). He is ranked in the list of **100,000 top world's most cited scientists** (<https://doi.org/10.1371/journal.pbio.3000918>). He has given 20+ invited talks (3 keynote talks) in high-ranking international research institutions and foreign Academies (i.e. Princeton University, Ecole Polytechnique Fédérale de Lausanne, Beijing Normal University, Dalian University of Technology, Tongji University, AgroParisTech, Massey University, Chinese Academy of Sciences), and at international meeting (IGC, AAG, ISPRS, RGS-IBG, AOGS, Soil Science Society of China). He is (was) Panel Member of FTC (Portugal), FWO (Belgium), NERC (UK), NCN (Poland); reviewer of MIUR, Netherlands Organization for Scientific Research (NWO), U.S. National Science Foundation (NSF), International Swiss National Science Foundation (SNSF), Natural Environment Research Council (NERC), National Science Centre (NCN) of Poland, Natural Sciences and Engineering Research Council of Canada, FWF Austrian Science Fund, EU Commission research projects. He is member of the European Geoscience Union, British Society for Geomorphology, American Geophysical Union, Italian Association of Agricultural Engineering.

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EDUCATION

- 2006 **Ph.D.** Environmental watershed management and geomatics, University of Padova, Italy
 2001 **M.Sc.** Forest and Environmental Sciences, University of Padova, Italy

POSITIONS

- 2020 – now **Visiting Professor.** Dalian University of Technology (P.R. China)
 2018 – now **Adjunct Professor.** Alexandru Ioan Cuza University of Iași (Romania)
 2017 – now **Adjunct Professor.** University of Georgia (USA)
 2017 **Visiting Professor.** Guangzhou University (P.R. China)
 2015 – now **Associate Professor.** Department of Land, Environment, Agriculture and Forestry, University of Padova (Italy)
 2013 – 2019 **Visiting Professor.** China University of Geosciences, Beijing (P.R. China).
 2011 – 2014 **Assistant Professor.** Department of Land, Environment, Agriculture and Forestry, University of Padova (Italy)
 2011 – 2013 **Visiting Professor.** Earth Sciences Department, National Cheng Kung University (Taiwan)
 2011 **Visiting Professor.** School of Architecture, Civil and Environmental Engineering, École Polytechnique Fédérale de Lausanne (EPFL), Switzerland
 2010 **Marie Curie Fellow** (Experienced Researcher). Institute of Inland Waters, Hellenic Centre for Marine Research (Greece)
 2009 – 2013 **Adjunct Professor.** Marche Polytechnic University (Italy)
 2008 **Visiting Scholar.** Civil Engineering Dept. and St. Anthony Falls Laboratory, University of Minnesota, USA
 2006 – 2010 **Research Associate.** Department of Land, Environment, Agriculture and Forestry, University of Padova (Italy)
 2005 **Visiting Scholar.** Civil and Environmental Engineering Dept., Utah State University (USA)
 2002 – 2006 **Graduate Research Assistant.** Department of Land and Agroforest Environments, University of Padova (Italy)

TEACHING ACTIVITIES

- 2021 *Anthropocene, Landscape, Water, Soil* | University of Padova (42 hr, 6 CFU)
 2017 *Earth surf process analysis with GIS & lidar* | Guangzhou University, P.R. China (16 hr)
 2014 – now *Water Resources Management* | University of Padova (48 hr, 6 CFU)
 2014 – now *GIS applications in agriculture* | University of Padova (32 hr, 4 CFU)
 2013 – 2019 *Digital Terrain Analysis I* | China University of Geosciences, P.R. China (32 hr, 2 credits)
 2013 *Digital Terrain Analysis I* | National Cheng Kung University, Taiwan (50 hr, 3 credits)
 2011 – now *Integrated Watershed Management* | University of Padova (48 hr, 6 CFU)
 2012 – 2013 *Soil and Water Conservation I* | Polytechnic University of Marche (54 hr, 6 CFU)
 2009 – 2011 *Soil and Water Conservation I* | Polytechnic University of Marche (45 hr, 5 CFU)

SUPERVISION OF POSTDOCTORAL RESEARCH ASSISTANTS, PHD, MSc

Postdoctoral fellows

Supervised (tot 3) – Anton Pijl (2020-2021); Sara Cucchiaro (2019-2020); Giulia Sofia (2013-2018) winner EGU Arne Richter Award 2019

PhD students

Supervised (tot 8) - Wendi Wang (2020-2023), Luca Mauri (2019-2022), Zhang Qifei (2018-2021), Anton Pijl (2017-2020), Wenfang Cao (2017-2019) (EGU ECSTS award), Eros Borsato (2017-2019) (EGU ECSTS award), Giulia Roder (2016-2018), Massimo Prosdocimi (2014-2017)

Co-Supervised (tot 4) - Kamila Pawłuszek (2017-2019) at Wrocław University of Environmental and Life Sciences; Jie Xiang (2015-2018) at China University of Geosciences in Beijing; Jin Wang (2014-2018) at Chinese Academy of Science; Ke Li (2013-2015) at China University of Geosciences in Beijing

MSc students

Supervised (tot 30) - Andrea Totti (2020-21), Elia Bortoletti (2020), Sofia Michieli (2020), Luigi Mancin (2020), Lorenzo Arcari (2020), Giacomo Nalin (2019), Eugenio Straffellini (2018), Edoardo Quarella (2018), Gaetano Imperatore (2018), Luca Mauri (2018), Michele Tosoni (2017), Loris Torresani (2017), Francesca Breda (2017), Elena Feo (2017), Manuel Stefani (2017), Jessica de Marco (2016), Federica Varisco (2016), Davide Todeschini (2016), Marco Cecchin (2016), Giulia Lo Re (2016), Federica Basso (2016), Nicoletta Pradetto Sordo (2016), Gianluca Favaro (2015), Alberto Bollettin (2015), Giulia Roder (2014), Valeria Contessa (2014), Francesca Savio (2013), Massimo Prodocimi (2013), Manuela Mancini (2012), Francesca Brutti (2012)

Co-Supervised (tot 3) - Aurora Ghirardelli (2019), and Esmee Goudriaan (2020) and Anton Pijl (2017) at Wageningen University and Research

RESEARCH PROJECTS (last 5 years)

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- 2019 – 2022 *SOILUTION SYSTEM* - Innovative solutions for soil erosion risk mitigation and a better management of vineyards in hills and mountain landscapes (EU rural development grant – Veneto Region) **450,000 €** (Scientific Coordinator)
 - 2019 – 2022 *FITOCHE* - From field to cheese (EU rural development grant – Veneto Region) **300,000 €** (PI of WP4)
 - 2018 – 2023 *TerrACE* - Terrace Archaeology and Culture in Europe (EU H2020 ERC-AdG) **2,600,000 €** (PI of WP1)
 - 2018 – 2021 *ViTe* - Vineyard Terraced landscapes: understanding the Environmental constraints to improve sustainable managements (University of Padova) **60,000€** (PI)
 - 2016 – 2018 *HighLandDEM* - High-resolution Digital Elevation Models (DEM) in rainfed Mediterranean cultivated Landscapes for long-term monitoring of artificial features with hydrological impact (ENVIMED French cooperation initiative) **18,000€** (PI of WP2)
 - 2014 – 2020 *NIP* - New industrial plan for dairy sector (POR FESR – Veneto Region) **608,024€** (team member)

LEADERSHIP

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- 2019 – now **Deputy President** Natural Hazards Division of the European Geosciences Union (EGU)
 - 2018 – now **Principal Investigator** of Earth Surface Processes and Society research group (<https://www.linkedin.com/in/earthsurfs/>)
 - 2018 – now **Vice President** 7th section (Information and Communication Technologies) of the Italian Association of Agricultural Engineering (AIIA)
 - 2016 – 2019 **Committee Chair** of the European Geosciences Union SSS subdivision SSS12: *Material and Methods in Soil Science*
 - 2015 – 2020 **Science Officer** of the European Geosciences Union NH subdivision *NH6: Remote Sensing & Hazards*
 - 2014 **Director**: UNIPD-NCKU (Italy-Taiwan) Joint Summer School 2014 “*Natural Hazards in the Italian Alps*”
 - 2013 **Director**: EGU Summer School 2013 “*Understanding Earth-Surface Processes in the Alpine Environment from High Resolution Topography*”

INSTITUTIONAL RESPONSIBILITIES

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- 2020 – 2026 **Scientific Coordinator** of the joint academic cooperation between Beijing Forestry University and Dept. of Land, Environment, Agriculture and Forestry
 - 2019 – 2023 **Head of the Commission** for the ‘Third Mission’ & Communication of Dept. of Land, Environment, Agriculture and Forestry, University of Padova
 - 2018 – 2022 **Promoter** of the Joint-PhD program between China University of Geosciences and University of Padova
 - 2017 – 2022 **Scientific Coordinator** of the Memorandum of Understanding between Massey University (NZ), University of Lincoln (UK), and University of Padova.

- 2017 – 2022 **Scientific Coordinator** of the Memorandum of Understanding between China University of Geosciences and University of Padova.
- 2012 – 2019 **Member** of the Commission for the Internationalization, Dept. of Land, Environment, Agriculture and Forestry, University of Padova.
- 2012 – 2015 **Member** of Research Quality Evaluation Committee. Dept. of Land, Environment, Agriculture and Forestry, University of Padova

FELLOWSHIPS

- 2014 **Visiting Professor Appointment Agreement of Distinguished Scholars** at China University of Geosciences in Beijing (P.R. China)
- 2013 **Visiting Professor Appointment Agreement of Distinguished Scholars** at National Cheng Kung University (Taiwan)
- 2010 **Marie Curie Fellow** – Excellence Grant for Experienced Researcher at the Hellenic Center for Marine Research (Greece)

HONORS/AWARDS

- 2020 Ranked in the list of **100,000 top world's most cited scientists (rank #18101** among 6,324,572 scientists for 2019)(<https://doi.org/10.1371/journal.pbio.3000918>)(updated analyses that use citations from Scopus with data freeze as of May 6, 2020)
- 2019 **Publons Peer Review Awards** in *Cross-Field* and in *Geosciences*
- 2018 **Publons Peer Review Awards** in *Geosciences* and in *Environment/Ecology*
- 2018 **Outstanding Contribution in Reviewing** for the journal *Science of the Total Environment, Land Use Policy, Geomorphology, Environmental Research, Int. J. Appl. Earth Obs. And Geoinf., Int. J. Disaster Risk Reduction*
- 2017 **Outstanding Editor** *Journal of Mountain Science*
- 2017 **Outstanding Contribution in Reviewing** for the journal *Adv. Wat. Res., J. of Hydrology*
- 2017 **Publons Peer Review Awards** in *Environmental Science, Remote Sensing and Earth and Planetary Science*
- 2016 **Outstanding Contribution in Reviewing** for the journal *Catena*
- 2015 **Outstanding Contribution in Reviewing** for the journal *Geomorphology, Earth Science Reviews*
- 2014 **Most Cited Paper** *Tarolli et al. 2014* in the journal *Anthropocene* (awarded by Elsevier)
- 2012 **Best Poster Award**, XXXIII Italian Conference of Hydraulics and Hydraulic Constructions
- 2011 **Editors' Citation** for Excellence in Refereeing for WRR given by American Geophysical Union
- 2010 **Outstanding Reviewer** for the *Journal of Hydrologic Engineering*, ASCE
- 2010 **Best Poster Award**, XXXII Italian Conference of Hydraulics and Hydraulic Constructions

PANEL MEMBER & REVIEWER: RESEARCH PROPOSAL & AWARD

Panel member

- 2021 Earth sciences (ST10) Expert Panel, **National Science Centre (NCN)** (Poland)
- 2021 Member WT 8 Fellowship panel on Sciences of the Earth and Space - **Research Foundation Flanders (FWO)** (Belgium)
- 2020 – 2021 **Co-Chair** of the Complaint Analysis panel (Natural Science) in the R&D Units Evaluation 2017-18 - **Fundação para a Ciência e a Tecnologia FTC** (Portugal) (*tot. 4 projects evaluated*)
- 2020 – now Member Review College **Research Foundation Flanders (FWO)** (Belgium)
- 2019 – now Member **Committee ECS award EGU Natural Hazards Division** (EGU)
- 2018 Member **NERC Panel: Newton Fund** (United Kingdom) (*tot. 7 projects evaluated*)

Reviewer

2013 – now Italian Ministry of Education, University and Research (MIUR), Ministry of Education and Science (Republic of Kazakhstan), U.S. National Science Foundation (NSF), Netherlands Organization for Scientific Research (NWO), National Science Centre (NCN) of Poland, Natural Sciences and Engineering Research Council of Canada, Swiss National Science Foundation (SNSF), FWF Austrian Science Fund, EU Commission. (*tot. 17 projects revised*)

PHD COMMITTEE EVALUATION PANEL

2011 – 2019 (*tot. 5 committees*): Montpellier SupAgro - INRA (France); University of Trieste (Italy); Ecole Polytechnique Fédérale de Lausanne (Switzerland); University of Genova (Italy); Ecole Nationale Supérieure des Mines de Saint-Etienne, Alès (France)

EDITORIAL POSITIONS

Chief Executive Editor: NHESS (Copernicus)

Associate Editor (*tot. 2*): Land Degradation & Development (Wiley), Remote Sensing (MDPI)

Editorial Board Member (*tot. 8*): iScience (Cell Press), Earth Surface Processes and Landforms (Wiley), Anthropocene (Elsevier), International Soil and Water Conservation Research (Elsevier), Geography and Sustainability (Elsevier), Journal of Mountain Science (Springer), Heliyon (Cell Press), Quaternary (MDPI)

REVIEWER ACTIVITY

tot. 364 papers reviewed, <https://publons.com/researcher/1191792/paolo-tarolli/> including Science, Nature Communications, Scientific Reports

PUBLIC ENGAGEMENT ACTIVITY

Social Media

Administrator of the page Earth Surface Processes & Society (*tot. 14578 followers*):

Facebook (*2454 followers*), LinkedIn (*10243 followers*), WeChat (*1255 followers*), Twitter (*455 followers*), Instagram (*181 followers*)

Public events

- 2020 **Organization & Chairman:** International Webinar “Remote Sensing for land degradation analysis and sustainable management of agroforestry systems” (*tot. 408 participants in Zoom*)
- 2020 **Organization & Moderator:** “Climate change and forests: a challenge for sustainability”, Sustainable Development Festival 2020 (*tot. 151 participants in Zoom, 1295 visualizations on Facebook, 247 visualizations on Youtube*)
- 2020 **Organization:** public event “Active protection of Val d’Alpone”, for the celebration of 2nd edition of Agricultural Product Expo of Val d’Alpone and Val Tramigna (*participation of 7 mayors, stakeholders, citizens*)
- 2019 **Organization with Coldiretti farmers’ federation of Padova:** public event for citizens, at the municipal theater of Galzignano Terme, to disseminate the results of the research on the quantification and glocalizations of wild boar damages in the Euganean Hills Regional Park (Veneto, Italy) (*150 participants: Ministry of Agriculture of the Veneto Region, President and Director of the Padua Coldiretti farmers’ Federation, association of hunters, technicians, environmentalists, director of the Euganean Hills Regional Park, citizens*)

MEDIA IMPACT OF THE RESEARCH ON NATIONAL NEWS

Soilution System Project (results of the project)

Gambero Rosso, VineNews, Qwine, l'Arena di Verona, Venezia Channel, Foodaffairs, Enocibario, Coldiretti Verona, Civiltà del bere, Veronaeconomia,

Quantification and glocalizations of wild boar damages (paper published on *Earth Surf. Proc. Land.*)

Il Corriere della Sera, Il Gazzettino, Il Mattino, Padova Oggi, TG Padova, ANBI Veneto, Coldiretti magazine nazionale, La Dea della Caccia, BigHunter, Cacciando

Quantification and glocalizations of Nutria damages (paper published on *Earth Surf. Proc. Land.*)

Radio RAI due (Caterpillar), Il Corriere della Sera, Il Sole 24 Ore, Il Gazzettino, Il Mattino, Il Giornale di Vicenza, L'Arena di Verona, Oggi Treviso, ANBI Veneto, Qdpnews, Virgilio, TVIWEB, Il Bolive

Floods and insurance (paper published on *Int. J. Disaster Risk Reduction*)

Il Giornale di Vicenza

100yr of floods in the Veneto region (paper published on *Scientific Reports*)

Ansa, Il Giornale di Vicenza, Il Mattino, PadovaOggi, Vigonza, La Difesa del Popolo, L'Azione, Meteoweb, Il Bolive

KNOWLEDGE TRANSFER & CONTRIBUTIONS TO POLICY-MAKING

- | | |
|-------------|--|
| 2019 – 2021 | Soave Wine Consortium: Innovative & low-cost solutions for soil erosion risk mitigation and a better management of vineyards in hills and mountain landscapes |
| 2017 – 2018 | Coldiretti farmers' federation of Padova: low cost approach for wild boar's damages
2D mapping |
| 2012 – 2015 | Start Up Geomatica & Ambiente srl |

SCIENTIFIC NETWORK

Ciprian Margarint, *geomorphology and hazards*, Alexandru Ioan Cuza University of Iasi (Romania)
 Erle C. Ellis, *Anthropocene debate*, University of Maryland (USA)
 Federico Preti, *agricultural terraces*, University of Florence (Italy)
 Jean-Stéphane Bailly, *remote sensing analysis of agricultural landscapes*, AgroParisTech (France)
 Jianping Chen, *open-pit mining monitoring with UAV*, China University of Geosciences (P.R. China)
 Mark Macklin, *floods & human health in anthropogenic landscapes*, University of Lincoln (UK)
 Marco Cavalli, *Earth surface processes analysis with lidar*, CNR Irpi Padova (Italy)
 Nunzio Romano, *surface runoff in agriculture*, University of Naples Federico II (Italy)
 Tony Brown, *agricultural terraces*, UiT The Arctic University of Norway (Norway)
 Xiangzhou Xu, *soil and water conservation*, Dalian University of Technology (P.R. China)
 Zhifeng Wu, *human-induced land-use change effect on the environment*, Guangzhou Univ. (P.R. China)

ORGANIZATION OF SCIENTIFIC MEETINGS

European Geosciences Union (tot. 29 sessions convened)

EGU2021, NH6.7 "Application of remote sensing and Earth-observation data in natural hazard and risk studies",
 EGU2021, SSS11.1/GI6.6 "Development of New Technologies in Soil Conservation and Eco Sustainability",
 EGU2020, EBM7 "Editorial board meeting of Natural Hazards and Earth System Sciences (NHSS)",
 EGU2020, NH6.1/GM2.24 "Application of remote sensing and Earth-observation data in natural hazard and risk studies",
 EGU2020, SSS11.4 "Development of new technologies in soil conservation and eco sustainability",
 EGU2019, NH6.1/GI3.20/HS11.38 "Application of remote sensing and Earth-observation data in natural hazard and risk studies",
 EGU2019, SSS12.3 "New technologies in soil conservation and eco-sustainability: supporting decision making",
 EGU2018, HS2.2.3 "Lowlands: A hydrologic challenge in the global environmental change era",
 EGU2018, NH6.1/AS5.21/CR7.3/GI2.17/HS11.33/SM3.12/SSS13.54 "Application of remote sensing and Earth-observation data in natural hazard and risk studies",

EGU2018, NH9.4 "Natural hazard impacts on technological systems and infrastructures",
 EGU2018, SSS2.3/GM6.11/NH11.2 "Agricultural terraces of the world. Their pedological, geomorphological and hydrological role",
 EGU2017, GM13.1/SC1 "Short course in geomorphometry: Getting the most out of DEMs of Difference",
 EGU2017, HS2.2.3 "Lowlands: A hydrologic challenge in the global environmental change era",
 EGU2017, NH3.12 "Landslide and Landslide Susceptibility Interactions with Transport Lines",
 EGU2017, SMP48 "Subdivision SSS12: Material and Methods in Soil Science (public)",
 EGU2017, SSS2.16/GM7.7/HS11.50 "Agricultural terraces of the world. Their pedological, geomorphological and hydrological role",
 EGU2017, SSS10.8/BG9.6/HS9.11 "Soil Erosion, hydrological processes and biological degradation in worldwide vineyards",
 EGU2016, GM6.1/BG7.5/HS11.13/SSS2.22 "Human-Landscape interaction in the Anthropocene",
 EGU2016, GM13.1/SC10/SSS12.25 "Digital Terrain Analysis of Anthropogenic Landscapes",
 EGU2016, SSS2.10/GM6.8/HS11.29/NH3.19 "Agricultural terraces of the world. Their pedological, geomorphological and hydrological role",
 EGU2015, GM4.1 "Human-Landscape interaction in the Anthropocene",
 EGU2015, GM11.3/SC48 "Quantitative interrogation of high-resolution DTMs",
 EGU2015, SSS2.5/GM6.6/HS12.3 "Agricultural terraces of the world. Their pedological, geomorphological and hydrological role",
 EGU2014, GM2.1 "Digital Landscapes: Insights into geomorphological processes from quantitative interrogation and use",
 EGU2014, GM4.1/HS9.12/SSS9.18 "Human-Earth interaction from the Pleistocene to the Anthropocene: state of the science and future direction (co-organized)",
 EGU2013, GM2.1 "Digital Landscapes: Insights into geomorphological processes from high-resolution topography, quantitative interrogation and geomorphological mapping",
 EGU2013, GM4.2/SSS6.12 "Landscape in the Anthropocene: state of the art and future directions",
 EGU2012, GM2.2 "Digital Landscapes: Quantitative Interrogation and Use to Examine Geomorphic Processes",
 EGU2011, GM2.2/NH10.3/PS10.2 "Digital Landscapes: From Laser Scanning and High-resolution Measurement Technologies to Quantitative Interrogation of Geomorphic Processes"

American Geophysical Union (*tot. 3 sessions convened*)

AGU2020, INV12 - Earth, Agriculture, and Society: Toward Sustainable Development in the Anthropocene
 AGU2018, Fingerprinting the Anthropocene: Observing and Understanding Social Change Across Earth's Landscapes
 AGU2007, H43E/H51L/H52E Remotely Sensed DTMs for Hydrogeomorphic Applications

Italian Association of Agricultural Engineering (*tot. 1 webinar organized & chaired*)

AIIA2020, Webinar on "Remote Sensing for land degradation analysis and sustainable management of agroforestry systems"

MEMBERSHIP OF SCIENTIFIC SOCIETIES

2012 – now	Italian Association of Agricultural Engineering (AIIA)
2011 – now	British Society for Geomorphology (BSG)
2006 – now	European Geosciences Union (EGU)
2005 – now	American Geophysical Union (AGU)

INVITED TALKS

International Meetings (tot. 8)

2019 *High resolution geomorphologic characterization of conservation agriculture. General Assembly 2019 of the Soil Science Society of China*, Dalian (PR China).

- 2018 *Observing and understanding the impact of socio-economic change on Earth and human health. Water and Planetary Health: A Catchment Systems Approach symposium* - University of Lincoln, Lincoln (UK).
- 2017 *The geomorphology of humanity. The 33rd Romanian Symposium of Geomorphology*, Iasi (Romania). *Keynote talk*
- 2016 *Roads and agricultural terraces in the mountain areas of the world: their geomorphological and hydrological role. The 33rd International Geographical Congress*, Beijing (P.R. China). *Keynote talk*
- 2016 *Hillslope Processes in Anthropogenic Landscapes. AAG 2016*, San Francisco (USA).
- 2015 *High-resolution topography for understanding Earth surface processes: Opportunities and challenges. ISPRS Geospatial Week 2015*, Montpellier (FR). *Keynote talk*
- 2015 *Geomorphology & Anthropocene. RGS-IBG Annual International Conference*, Exeter (UK). *Opportunities and challenges from high-resolution topography for understanding earth surface processes. AOGS – AGU (WPGM) Joint Assembly 2012*, Singapore.

International Academies & Research Institutions (tot. 18)

- 2020 *Digital terrain analysis for soil and water conservation. Dalian University and Technology* (P.R. China). (host: Xiangzhou Xu)
- 2020 *Monitoring and sustainable management of steep-slope agricultural landscapes: the case study of Italy. Beijing Normal University* (P.R. China). (host: Chengzhong Pan)
- 2019 *Humans and the Earth's Surface. Princeton University* (USA). (host: Amilcare Porporato)
- 2019 *High-resolution topography for understanding Earth surface processes: opportunities and challenges. Dalian University and Technology* (P.R. China). (host: Xiangzhou Xu)
- 2017 *The Topographic Signature of Humanity. Beijing Normal University* (P.R. China). (host: Wenwu Zhao)
- 2016 *Earth surface processes in anthropogenic landscapes. Guangzhou University* (P.R. China). (host: Wu Zhifeng)
- 2015 *High-resolution topography for understanding Earth surface processes: opportunities and challenges. Innsbruck Summer School of Alpine Research 2015*. (host: [University of Innsbruck](#), Faculty of Geo- and Atmospheric Sciences & International Society for Photogrammetry and Remote Sensing - ISPRS)
- 2015 *Anthropogenic Landscapes: critical issues and future challenges for Earth Science and Society. Massey University* (New Zealand). (host: Ian Fuller)
- 2014 *Anthropogenic Landscapes: critical issues and future challenges for Earth Science and Society. Institute of Mountain Hazards and Environment, Chinese Academy of Sciences*, Chengdu. (host: Peng Cui)
- 2013 *High-resolution topography: the next chapter for the Earth science. China University of Geosciences*, Beijing. (host: Chen Jianping)
- 2012 *Natural and Engineered Landscapes: new challenges from LiDAR for understanding Earth Surface Processes in the Anthropocene. National Cheng Kung University*, Department of Earth Science, Tainan (Taiwan). (host: Ching-Weei Lin)
- 2011 *New opportunity and future challenges from high-resolution topography for the analysis of Earth Surface Processes. Central Geological Survey, Taipei* (Taiwan). (host: Chao-Tsiung Lin)
- 2011 *New opportunity and future challenges from high-resolution topography for the analysis of Earth Surface Processes. National Cheng Kung University*, Department of Earth Science, Tainan (Taiwan, R.O.C.). (host: Ching-Weei Lin)
- 2011 *New opportunity and future challenges from high-resolution topography for the analysis of Earth Surface Processes. AgroParisTech*, Montpellier, France. (host: Jean-Stephane Bailly)
- 2011 *New opportunities but also challenges from high-resolution topography. École Polytechnique Fédérale de Lausanne EPFL*, Switzerland. (host: Andrea Rinaldo)
- 2010 *High-resolution topography: new opportunities, issues and challenge in the Earth Science. Institute of Inland Waters, Hellenic Centre for Marine Research*, Greece. (host: Emmanouil Anagnostou)
- 2010 *Semi-automatic methods for geomorphic features extraction: new opportunities from high-resolution topography. CNR-IRPI*. Perugia, Italy. (host: Fausto Guzzetti)
- 2008 *High-resolution topography: new opportunities, issues, and future trends. Civil Engineering Dept. and St. Anthony Falls Laboratory, University of Minnesota*, Minneapolis, USA. (host: Efi Foufoula-Georgiou)

PUBLICATION SUMMARY

Ranked in the list of **100,000 top world's most cited scientists** (rank #18101 for 2019; rank #104049 for career) (<https://doi.org/10.1371/journal.pbio.3000918>) (updated analyses that use citations from Scopus with data freeze as of May 6, 2020). Author of 128 papers published in international peer reviewed journals with the following publication metrics: Google Scholar (**h-index 40**, total citations 5555, number of articles with 100+ citations 15, number of articles with 200+ citations 5, number of articles with 300+ citations 1), SCOPUS (**h-index 36**, total citations 4133). He is also author of 1 movie review and 3 book reviews in international peer-reviewed ISI journals, 9 papers in national magazines, 2 chapters in Encyclopaedia, 12 papers in books, 20 papers in conference proceedings, and 169 presentations (3 invited keynote talks, 5 invited talks) at national/international meetings (45 orals, 10 virtual online, and 114 posters). He edited three books (for Elsevier, Springer, and MDPI).

PUBLICATIONS

*corresponding author

Peer-reviewed journals

2021

1. Brown*, T., Fallu, D., Walsh, K., Cucchiario, S., **Tarolli, P.**, Zhao, P., Pears, B., van Oost, K., Snape, L., Lang, A., , Albert, R.-M., G. Alsos, I.G., Waddington, C. (in press). Ending the Cinderella Status of Terraces and Lynchets in Europe: The Geomorphology of Agricultural Terraces and Implications for Ecosystem Services and Climate Adaptation. *Geomorphology*, 107579, doi:10.1016/j.geomorph.2020.107579.
2. **Tarolli***, P., Pijl, A., Cucchiario, S., Wei, W. (in press). Slope instabilities in steep cultivation systems: process classification and opportunities from remote sensing. *Land Degradation & Development*, doi:10.1002/ldr.3798.
3. Pijl*, A., Quarella, E., Vogel, T.A., D'Agostino, V., **Tarolli, P.** (in press). Remote sensing vs. field-based monitoring of agricultural terrace degradation. *International Soil and Water Conservation Research*, doi: 10.1016/j.iswcr.2020.09.001.
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