

## **Biographies of candidates for the elections of the officers for IUSS Divisions and Commissions 2017**

### **Division 1 - Soils in Space and Time**

#### **Chair**

##### ***Erika MICHELI***

Erika Michéli (1959) is professor and head of the Department of Soil Science and Agricultural Chemistry, at Szent István University, Hungary. She served as president of the Hungarian Soil Science Society for 10 years (2005-2015). Inspired by classic pedologists she spent most of her career in developing and improving the Hungarian national soil classification system and international correlation systems. Her impact both on national and international level is acknowledged. Contributions to IUSS are mainly through functions she served, such as: Chair of the WG of WRB (2002 – 2006), vice chair of the Commission Soil Classification of (2006-2010), vice chair of the WG Universal Soil Classification (2010-2016). She organized several international meetings and WCSS sessions. She is currently chair of Division 1. Her devotion to soil science, education and awareness raising as well as organization skills are well documented. Her successful leadership and experience make her a good candidate to continue as chair of Division 1. Soil in Space and Time of IUSS.

#### **Vice chairs**

##### ***Matt AITKENHEAD***

Dr Matt Aitkenhead (James Hutton Institute, UK). My work involves linking remote sensing and field-based information with existing soil maps, to produce models of soil character in a rapid and cost-effective manner. Recent work has involved linking these models to mobile phone technology, to produce apps that enable researchers and land managers to monitor soil condition. The growth of national and international legislation requiring large-scale / repeatable environmental monitoring is driving the development of rapid assessment tools for soils, and I am working heavily in this area. I currently act as an Associate Editor for three journals: Remote Sensing Letters, Advances in Artificial Neural Systems and Soil Use and Management.

URL: <http://www.hutton.ac.uk/staff/matt-aitkenhead>

##### ***Jacqueline HANNAM***

Dr Jacqueline Hannam (Cranfield University, UK) I am a pedologist at Cranfield University with 15 years' experience as a research scientist in academia leading and managing international research projects in soil mapping, process modelling, soil health and soil technology. I am a council member of The British Society of Soil Science, leading a regional group and chairing the Education Committee. I am also a committee member of EGU Subdivision 1: History, Education and Society of Soil Science and taxonomy. I manage and participate in numerous national outreach initiatives to promote science and soils to a variety of stakeholders and to the general public.

URL: <https://www.cranfield.ac.uk/people/dr-jacqueline-hannam-777915>

## **Commission 1.1 - Soil morphology and micromorphology**

### **Chair**

#### ***Fabio TERRIBILE***

Fabio Terribile, (1962). Degree in Agriculture Science (Univ. Napoli), PhD in Soil Science (University of Aberdeen). From 2002, full professor at Università di Napoli Federico II and Director of a Research Centre on the Earth Critical Zone ([www.crisp.unina.it](http://www.crisp.unina.it)). He has been President of the Italian Society of Pedology (2010-2016). He is/has been in the Editorial Board of Solid Earth, Soil Research, Italian Journal of Agronomy and Guest Editor (Quaternary International). Project leader of many national and international research projects and component of national and international boards for research evaluation. Author of more than 100 publications (including chapters and books) including 52 publications on ISI journals. WoS h index: 18. His research interest spans in different domains of soil science keeping a very strong basis on soil morphology and micromorphology. In last years, he was strongly involved in soil policy issues at National (promoter of a soil framework law adopted by the Italian Senate ddl1181) and European level (promoter of a petition signed by 1400 European soil scientists against the European Soil Directive withdraw).

### **Vice chairs**

#### ***Richard HECK***

Dr. Richard Heck is currently an Associate Professor (Soils and Landscape Processes) at the UofG. His research focusses on quantifying soil microstructure by X-ray computed tomography; he maintains a dedicated CT system and conventional thin-sectioning laboratory, and curates the Canadian Soil Thin Section Collection. An ardent proponent of the integrative role of soil morphology in ecosystems, Richard has trained more than 150 researchers/scholars in digital imaging/analysis of soil. He has served on the Canadian Society of Soil Science council, is Vice-Chair of the Agricultural Institute of Canada, and has been contributing to organizing the Division 1 program for the 2018 WCSS.

URL: [www.uoguelph.ca/ses/users/rheck](http://www.uoguelph.ca/ses/users/rheck)

#### ***Daniela RADUCU***

Daniela Raducu (1958), graduated in agronomy (1984), PhD in soil science (2002), soil micromorphologist (since 1989 – present) at National Research Institute for Soil Science Agrochemistry and Environment (ICPA), with the main activities: biological activity at macro- and micromorphological scale; influence of irrigation on plasmic constituents leaching; micromorphological researchers of the Romanian soils; tillage influence on soil as bases to elaborate friendly technologies for agricultural landscape; crust formation; researchers of natural and agricultural ecosystems; sewage sludge distribution in soils; soil polluted with oil, flying ashes; researchers of biological pedofeatures as indicator of previous land uses; researchers of pedofeatures as indicator of climate changes; ecological reconstruction of environments to restore the ecological balance.

## **Commission 1.2 - Soil geography**

### **Chair**

#### ***Thomas SCHOLTEN***

Thomas Scholten is Professor of Soil Science and Geomorphology. His areas of expertise and research activities are mainly concerned with soil science, environment, geomorphology, geoecology and soil erosion. Fieldwork is based in Europe, Africa and Asia with main research projects in South Africa, Swaziland, Sudan, Israel, China, Nepal, Switzerland and Germany. Professor Scholten has published widely in soil science, environmental science and geoscience, having authored 7 books, 151 refereed papers and 272 conference papers. He has received research grants from over 15 institutions, principally the European Union (EU), the German Research Foundation (DFG) and the German Federal Ministry of Education and Research (BMBF). He is a referee for a wide range of international journals, acted as guest editor for *Geoderma* and *Catena* and currently serves on the editorial boards of several journals including *Journal of Plant Nutrition and Soil Science*. Since 2004, Thomas Scholten is council member of the European Society for Soil Conservation (ESSC). From 2012-2015, he was President of the German Soil Science Society (DBG). In 2016, he was elected as member of German National Academy of Science and Engineering (acatech). Additionally, he is well involved in different expert groups and reviewer for several scientific donor organizations.

URL: <http://www.geo.uni-tuebingen.de/soilscience>

### **Vice chairs**

#### ***Sergey V. GORYACHKIN***

Prof. Dr. Sergey Goryachkin is the Head of the Laboratory of Soil Geography and evolution, Institute of Geography, Russian Academy of Science, Moscow. He graduated from Moscow State University, Geographic faculty, 1981; got the Ph.D. (1993), Dr. Sci. (Geography) (2006), Institute of Geography RAS. Expertise: soil geography; patterns and genesis of soil cover; processes in natural and anthropogenically-changed soils; extreme pedology. IUSS Experience: - Co-chair, working group "Cryosols" (1998-2006); Vice-Chair, Soil Genesis Commission (2006-2010). He has published more than 160 books and papers, including those in international journals and monographs, and organized several international conferences and field tours.

URL: <http://igras.ru/en/node/59>

#### ***Petru IGNAT***

Petru Ignat is a researcher and Head of Department for Soil Science and Rural Development at National Research and Development Institute for Soil Science, Agrochemistry and Environment, from Bucharest, Romania. His work focuses on soil suitability methodologies and maps for crops which serve as a useful tool in rural planning and development. Also he conducted researches regarding hazard and risk maps related to agricultural drought one of the main phenomenon threatening food security. Petru Ignat earned a bachelor of science in environmental geography and a PhD in geography and geodynamics from the University of Bucharest and Roma Tre University.

## **Commission 1.3 - Soil Genesis**

### **Chair**

#### ***Endre DOBOS***

Endre Dobos (1968) is an associate professor in soil science, in the Department of Physical Geography and Environmental Sciences, of the University of Miskolc, Hungary. He is currently the chair of the Division of Soil Genesis and Mapping of the Hungarian Soil Science Society. His vision and understanding of soil-landscape processes is well documented in his teaching materials and publications. His contributions to IUSS are mainly through organization of IUSS meetings and chairing WCSS sessions, such as: Co-organizer of the IUSS meetings of "Soil Classification" 2001 in Hungary; IUSS meeting "Bridging the Centuries 1909-2009" in Hungary 2009; chair of Symposium during the WCSS meetings in Philadelphia, 2006; International Field Course and Soil Judging Contest, Hungary, 2015; His experience, devotion and organization skills make him a good candidate for the IUSS function.

URL: <http://www.uni-miskolc.hu/~ecodobos/ENGLISH/index.htm>

### **Vice chairs**

#### ***Megan BALKS***

Dr Megan Balks (1960) is a Senior Lecturer at Waikato University, New Zealand. Megan has worked extensively on Antarctic and New Zealand soils and has about 190 publications including 1 book ("Celebrating Soil, discovering soils and landscapes") and 50 Journal and research articles. She has supervised over 40 soil graduate thesis projects. Megan is currently vice-president of the NZSSS. She has served two years as co-chair of the Cryosol Working Group of IUSS and has been co-convenor of Cryosol sessions at the last two World Soils Congresses. Megan led IYS activities for the Cryosol working group and the NZSSS.

#### ***Shinya FUNAKAWA***

Dr. Shinya Funakawa is currently a professor of soil science at Graduate School of Agriculture, Kyoto University. He is an author or co-author of over 100 scientific journal publications and 10 books. His main topics are the linkage of pedogenetic and ecosystem processes both in natural and agricultural ecosystems in wide range of bio-climatic conditions from humid tropics to continental dryland and the application of such knowledge to respective human agricultural activities in different regions of the world. Additional information can be found at his laboratory websites:

URL: <http://www.soils.kais.kyoto-u.ac.jp/en/>

#### ***Mihai TOTI***

Mihai Toti. 71 years, pedologist, doctor in Agronomy – Soil Science (UASVM Bucharest, 1998), Senior Researcher I. He worked, in the period 1981 – 2017, as director/responsible of projects and/or researcher in research projects in the following domains: environment protection (ecopedological

factors, water-soil-plant, pollutant, amelioration methods, development strategies); soil mapping and classification. He is titular member of the Academy of Agricultural and Forestry Sciences (ASAS) and scientific secretary of the Section of Soil Science, Land Reclamation and Environment Protection in Agriculture. He is national expert for irrigation (including irrigation infrastructure rehabilitation). He is member of the International Union of Soil Sciences (IUSS).

#### **Commission 1.4 - Soil Classification**

##### **Chair**

##### ***Curtis MONGER***

Curtis Monger . USDA-NRCS National Leader for Soil Survey Standards (in charge of Soil Taxonomy). Distinguished Achievement Professor Emeritus, New Mexico State University. Taught Soil Classification, Soil Genesis, Intro Soils, Intro Environmental Science. Fellow – Soil Science Society of America (SSSA). Member – IUSS Universal Soil Classification Working Group, SSSA Soil Taxonomy Improvement Task Force. Former associate editor – SSSAJ, Arid Land Research and Management, guess co-editor Spanish J. Soil Science. Former Chair – SSSA Soil Mineralogy. IUSS and SSSA member since 1986. Author or co-author on 45 journal articles and 24 book chapters on soil classification, micromorphology, or pedology.

##### **Vice chairs**

##### ***Lúcia ANJOS***

Lúcia Anjos (1957), Chair of Division I - Soils in Space and Time of Brazilian Soil Science Society, professor of Department of Soil Science, Federal Rural University of Rio de Janeiro (UFRRJ), Brazil, and Vice-Dean of Graduate Research. Her contribution to soil science is in the area of soil genesis and classification. Her impact on IUSS is through her current functions such as: Vice chair of Division I, member of the WG WRB and the WG Universal Soil Classification, and vice-chair of the Guy Smith Medal Award Committee. Acted as member of scientific committee of the 5th International Soil Classification Congress (2016) and is organizing Rio's World Congress (2018)..

##### ***Cornelius VAN HUYSSTEEN***

Cornie van Huyssteen is an associate professor in the Department of Soil, Crop and Climate Sciences at the University of the Free State in Bloemfontein, South Africa, where he lectures undergraduate Soil Science and researches the relationship between soil morphology and soil hydrology. He is actively involved in the IUSS as current vice-chair of the IUSS working group WRB, in the IUSS Universal Soil Classification working group, and has represented South Africa four times on IUSS board meetings. Prof. van Huyssteen is also an active member of the Soil Science Society of South Africa. He received his Ph.D. in 2004 and has authored 39 reviewed papers and has supervised more than 19 postgraduate students.

URL: <http://www.ufs.ac.za/natagri/departments-and-divisions/soil--and-crop--and-climatesciences-home/general/staff?pid=YxENpF5Okxs%3d>

### ***Bipin B. MISHRA***

Bipin B. Mishra is a Full Professor in Pedology, Haramaya University, Ethiopia. Earlier, Chief Soil Survey Officer, Bihar Agricultural University, Sabour, ICAR Expert in CAFT-Soil Science and Professor (Land Evaluation) under World Bank Project, Ethiopia (2001-2005). Editor, "The Soils of India" being shortly published under "World Soils Book Series". Working on "Photopedogenesis", Fluvisols (proposed 13th Order in USDA-ST), Indian Soil Classification, Immobisols (proposed under WRB), Hanisols (under investigation) and Microbisols (proposition) besides inclusion of two additional soil forming factors viz. "Sustainable management" and "Solar radiation". Also, associated with "Universal Soil Classification-WG" in a Task Group under IUSS

### **Commission 1.5 - Pedometrics**

#### **Chairs**

#### ***Vera Leatitia MULDER***

Dr. Vera Leatitia Mulder is an assistant professor at the Soil Geography and Landscape group, Wageningen University, The Netherlands. She has a background in remote sensing and soil science. She was awarded the prestigious Agreenskills postdoc and best paper awards (from Pedometrics and Geoderma). She has contributed to international research projects e-SOTER, GlobalSoilMap and SAT-EX. Her main research interest involves spatial, temporal and soil-landscape modelling for understanding large-extent soil and ecosystem dynamics. In her current work, she focusses on soil carbon dynamics and climate change adaptation, contributing to the '4 per 1000 Initiative – Soils for Food Security and Climate'. URL: [https://www.researchgate.net/profile/VL\\_Mulder](https://www.researchgate.net/profile/VL_Mulder)

#### ***Thomas BISHOP***

Thomas Bishop. I am an Associate Professor at the University of Sydney where I teach soil, water and data science. I completed my PhD at the University of Sydney and spent time overseas in the United Kingdom and USA as a postdoc before returning to my current position. My main research interest is in predicting the variation of soil properties in space and time using geospatial data, statistical methods and mechanistic models. My current focus is on soil carbon and moisture with a particular interest in predict at multiple spatial resolutions.

URL: <http://sydney.edu.au/science/people/thomas.bishop.php>

#### **Vice chair**

#### ***Nicolas SABY***

Nicolas Saby obtained his PhD from AGROCAMPUS OUEST in 2008 with a thesis on digital soil mapping and soil monitoring. Nicolas currently works at INRA Infosol as a manager for the French programs of soil survey and Monitoring. He has 17 years of experience in modelling, quantifying and mapping the spatial and temporal variation and uncertainty of soils. He works across the discipline on optimal design of soil surveys, and the spatial and temporal variation of soil properties. He was

awarded the Silver medal from the French Academy of Agriculture and Best Paper in Environmental Microbiology (2009) and Pedometrics (2010).

URL: [https://www.researchgate.net/profile/Nicolas\\_Saby](https://www.researchgate.net/profile/Nicolas_Saby)

## **Commission 1.6 - Paleopedology**

### **Chair**

#### ***Maria BRONNIKOVA***

Maria Bronnikova graduated from Soil science faculty, Moscow State University. 1996 - practiced in pollen analysis in Uppsala University. 2000 – PhD, soil science. 1999 until now – constant position in Soil department, Institute of Geography, Russian Academy of Sciences (senior researcher). Field of interests: paleopedology, multiproxy records of environmental change, geoarchaeology, pedogenesis, soil morphology and micromorphology. Field experience: European part of Russia, Caucasus, Kazakhstan, Siberia, deserts of US. Since 1999 participated in 9 meetings of the Palaeosol Commission; co-organizer of IAG Geoarchaeological WG conference (2012), 12th International Symposium and Field Workshop on Paleopedology (2013), and “Mammoth” ultra-continental WRB field workshop (2013).

URL: <http://igras.ru/en/node/267>

### **Vice chair**

#### ***Elizabeth SOLLEIRO-REBOLLEDO***

Solleiro-Rebolledo Elizabeth (1963) I got my PhD in Earth Sciences at 1998. Since 1998, I work as researcher at the Institute of Geology, at UNAM. My main research areas are pedogenesis, paleopedology and geoarchaeology. I have published 45 papers in SCI journals, 20 papers in national journals and several book chapters. I am co-author of the book “the Soils of Mexico”, edited by Springer. I have been and participated in several national and international projects. During the last 2 years I am the coordinator of the graduate program of Earth Sciences (UNAM).