

ESAFS

SRI LANKA 2011

COLOMBO

10 TO 13 OCT. 2011

East & SouthEast Asia Federation of Soil Science Societies

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Invited Speakers of ESAFS 10

Session: Management of Paddy Soils for Sustaining Productivity



Senior researcher
International Rice Research Institute,
Philippines

Invited speech title:

NUTRIENT MANAGER FOR SITE-SPECIFIC FERTILIZER RECOMMENDATIONS IN RAINFED LOWLAND RICE: PRINCIPLES AND DELIVERY OPTIONS

Dr. Stephan M Haefele

Dr. Haefele is a soil scientist and agronomist with many years experience working in Africa, Asia, and Europe. His main research topics are the development of site-specific nutrient recommendation for rainfed lowland rice, direct seeding as a crop establishment method for reduced risk, post-rice crops for system intensification, and the analysis of bioenergy/biochar technologies for rice-based systems. Dr. Haefele works with colleagues from national research institutions in several countries of South and Southeast Asia. Apart from research, he is also involved in technology dissemination and in various training activities. He has authored or co-authored over 60 scientific papers. He is a member of the graduate faculty at three universities, and a member of the Editorial Advisory Board for two scientific journals.

Session: Soil Data Bases and Digital Soil Mapping



University of Twente, Faculty ITC,
The Netherlands (NL)

Invited speech title:

LAND EVALUATION AND PEDOMETRIC LAND VALUATION: RESPONDING TO THE CHALLENGE OF DIGITAL SOIL MAPPING

Dr. David Rossiter

D. G. (David) Rossiter is a soil scientist who obtained his PhD in agronomy and international agriculture from Cornell University. He has involved with soil mapping, classical and automated land evaluation activities for more than 30 years. He is a principal author of the GAPS climate-soil-plant environmental simulation model and he has worked as a consultant on automated land evaluation and GIS applications in (among others) Indonesia, the Philippines, Mexico, and the Dominican Republic. Since 1997 he has worked for ITC as a Senior University Lecturer, serving from 1999 to mid-2002 as Head of the former Soil Science Division. He is a member of the International Union of Soil Science and the Dutch Soil Science Society. His main research interest is in modern methods of soil resource inventory and the multi-purpose interpretation of soil geographic databases for both rural and urban applications.

Web: http://www.itc.nl/about_itc/resumes/rossiter.aspx

Session: Material Cycling in Soil and Regional Environment

Invited speech title:

SOIL REMEDIATION FOR THE FOOD SAFETY ON THE HEAVY METALS-CONTAMINATED SOILS IN ASIAN COUNTRIES

Prof. Zueng-Sang Chen

Zueng-Sang Chen is Distinguished Professor and Associate Dean of the College of Bioresources and Agriculture at the NTU (2007-2011). His research interests are the behavior and bioavailability of heavy metals in the soil-rice system; the use of chemical techniques to reduce the bioavailability of heavy metals in soils; and the use of phytoremediation on contaminated sites.

Zueng-Sang Chen was awarded The ESAFS (East and Southeastern Federation of Soil Science Societies) Distinguished Award in 2009 and National Taiwan University (NTU) Distinguished Social Service Award in 2009 and CSSFS (Chinese Society of Soil and Fertilizer Sciences) Distinguished Society Award in 2008. He further distinguished himself by winning the Distinguished Teaching Professor Award in 2005 and the KIWANIS International Distinguished Agricultural Expert Award in 2007.



National Taiwan University
Taiwan

Developed by:

TA Kamiss

Session: Plant Nutrition and Environment

China Agricultural University
Beijing, China

Prof. Fu-Suo Zhang

Professor Fu-Suo Zhang received his Ph.D. in Plant Nutrition from Hohenheim University (Germany). His past appointments include President of International Plant Nutrition Council, vice President of Soil Science Society of China, vice President of Plant Nutrition and Fertilizer Science Society of China, vice President of Nature Resource of China, and Chairman of Soil testing and fertilization expert committee, Department of Agric. China. His research is focused on rhizosphere dynamics, plant nutrient mobilization and uptake and nutrient management in agroecosystems. Since 1998, he has focused on developing integrated nutrient management concept and techniques to realize highyield and high-efficiency crop production system through improving soil fertility, nutrient use efficiency and crop yield and quality, and reducing environmental pollution for main crops in China. Besides an impressive professional network across China, Prof Zhang also maintains research and education programs with 30 overseas countries.

Session: Land Degradation and Management, Guest speech 1

Land Management Officer
FAO Regional Office for
Asia and the Pacific

Invited speech title:

LAND DEGRADATION AND SUSTAINABLE LAND MANAGEMENT FOR AGRICULTURAL ECOSYSTEMS, ENVIRONMENTAL HEALTH AND CLIMATE CHANGE

Dr. Yuji Niino

Dr. Yuji Niino received his M.S. and Ph.D. in soil science from Texas A&M University. He has been working for FAO as the Land Management Officer since January 2003. He is in charge of activities related to sustainable land use and management, soil and water conservation, and land resource evaluation and monitoring. Conservation Agriculture and Land Degradation Assessment are his forte. He plays an active role in providing technical assistance to the member states in the development and implementation of field projects related to the above issues. He also promotes integrated planning and management of land resources and soil productivity improvement, and sustainable agricultural systems through preventing land degradation and desertification. In recent times, his work has begun to explore themes relating to agricultural biodiversity conservation, soil carbon sequestration and reduced green house gas emissions.

Session: Hydrology and Water Management

International Water Management
Institute, PO Box 2075,
Colombo, Sri Lanka

Invited speech title:

CAN WE INTENSIFY AGRICULTURE WITHOUT FURTHER ENVIRONMENTAL DAMAGE?

Dr. Colin Chartres

Colin Chartres has a Ph.D. on soil development from the University of Reading (UK). He is currently the Director General of the **International Water Management Institute (IWMI)**. IWMI's vision is Water for a Food Secure World and involves solving water scarcity via increasing water productivity, reducing poverty and sustainable natural resource management. He has played a leading role in alerting the world to an emerging water crisis that will impact all water users and food security in many developing countries. Prior to joining **IWMI** in 2007, he was Chief Science Advisor to Australia's National Water Commission. Previously he held senior research and research management positions with CSIRO, the Bureau of Rural Science and Geoscience Australia and has also worked in academia and the private sector. He has published over 100 journal articles, technical papers and book chapters on natural resources management and is the senior co-author of the recently the book "Out of Water." published in 2010.

Session: Cropping Systems and Sustainable Management

Punjab Agricultural University
India

Invited speech title:

NEED-BASED NITROGEN MANAGEMENT FOR SUSTAINABLE HIGH PRODUCTIVITY AND FERTILIZER USE EFFICIENCY IN AGRO-ECOSYSTEMS

Prof. Bijay Singh

Dr. Bijay Singh, a renowned soil scientist, has been working on rice-wheat cropping system for more than two decades and has made useful contributions in enhancing nitrogen use efficiency in rice-wheat cropping system, fertilizer nitrogen related environmental pollution, and integrated nutrient management. His research on basic and applied aspects of integrated management of fertilizers, animal manures, green manures and crop residues have provided sound directions for achieving sustainable high yields in rice-wheat system and for maintaining soil fertility for the future generations.