

# Speaker Biographies

## **HAROLD REETZ**

Harold Reetz works as the Director of External Support and Foundation for Agronomic Research for the International Plant Nutrition Institute (IPNI). He coordinates funding for IPNI programs and is the leader of the maize decision support group and the global maize project. He has been involved in the agronomy industry since 1974, when he started as Purdue University's head of the agronomy department, where he served until 1982. His other related jobs include the Midwest Director of the Potash and Phosphate Institute (PPI) and the President of the Foundation for Agronomic Research.



Reetz grew up on a dairy and grain farm in east central Illinois. He received his bachelor's degree in agronomy from the University of Illinois, and both his master's and doctorate degrees from Purdue University in crop physiology and ecology. As an active member of the Illinois Fertilizer and Chemical Association (IFCA), the National Association of Conservation Districts (NACD) and graduate advisory committees at the University of Illinois and Purdue University, Reetz is involved as a leader in several scientific societies. He also serves on CTIC's board of directors as the Second Vice Chair. His other accomplishments include an appointment by the governor of Illinois as the chairman of the Illinois Committee for Agricultural Education, serving on the Illinois Groundwater Advisory Council and participating in numerous crop and soil management technology conferences in Argentina, Brazil, Mexico, USSR and England. Reetz also enjoys serving as the chairman of his church board, as an assistant scout master of a Boy Scout troop and as a 4-H leader.

## **THEODOR FRIEDRICH**

Theodor Friedrich is an expert in conservation agriculture with more than 10 years practical work experience in this area. Since 1994, Friedrich has served as the Senior Officer of FAO/Rome for Crop Production Systems Intensification in the Crop and Pasture Service (AGPC), working with cropping systems, mechanization and conservation agriculture worldwide. He's also worked with pesticide application technology, conservation agriculture, soil tillage and environmental aspect of agricultural engineering worldwide as the senior agricultural engineer in the Agricultural Engineering Service (AGST/AGSE).



Born in El Tigre, Venezuela, Friedrich has travelled the world and worked in more than 60 countries in the Americas, Africa, Asia, Europe and Oceania. He earned his doctorate degree in 1988 from Göttingen University in agricultural engineering, and he specializes in work with agriculture, agricultural engineering and mechanization, agricultural extension, technical co-operation with developing countries and integrated pest management. Friedrich is member of several international professional organizations in agricultural engineering and soil and water conservation.

# Speaker Biographies - continued

## **SONNY RAMASWAMY**

Sonny Ramaswamy was named Director of Agricultural Research Programs and Associate Dean for Research in the College of Agriculture in 2006. His responsibilities include leadership of research programs in agriculture, food and natural resources, including fiscal management and regulatory functions assigned by the Indiana State Legislature. Ramaswamy is the recipient of grants from various federal agencies such as the National Science Foundation (NSF), National Institutes of Health (NIH), United States Agency for International Development (USAID), Environmental Protection Agency (EPA), United States Department of Agriculture (USDA), state agencies, commodity groups and industry. He received his bachelor's degree in agriculture and a master's degree in entomology from the University of Agricultural Sciences in Bangalore, India. He also holds a doctorate degree in entomology from Rutgers University in New Jersey.



Ramaswamy was on the faculty at Mississippi State University from August 1982 through 1997. As an insect physiologist, he worked on the integrative reproductive biology of insects. Kansas State University named Ramaswamy as head of the entomology department in 1997. He was honored as the KSU Presidential Outstanding Department Head in 2002 and University Distinguished Professor in 2004. He has mentored a number of undergraduate and postdoctoral students. He has published nearly 150 journal articles, book chapters and a book. A number of awards and honors have been bestowed on Ramaswamy as a scientist and department head, including being selected as a Fellow of the American Association for the Advancement of Science, Fellow of the Entomological Society of America, and Distinguished Graduate Alumnus of Cook College from Rutgers University.

## **NEETA HOODA**

Neeta Hooda currently works as Program Officer for Afforestation and Reforestation project activities in Sustainable Development Program of the UNFCCC secretariat. She deals with methodological and other relevant issues for forestry projects in the Clean Development Mechanism (CDM), as well as some non-forestry projects. Hooda is also engaged in forestry issues under negotiation in the climate change convention process.



Prior to joining the secretariat, Hooda worked with the Government of India in different capacities as a forestry professional, researcher and adviser in forestry and climate change. Her interests are in forestry and cross-cutting issues of land use and land use change, food security and energy.

# Speaker Biographies - continued

## RATTAN LAL

Rattan Lal is a professor in the School of Natural Resources at The Ohio State University. He holds a bachelor's degree in agriculture from the Punjab Agricultural University in Ludhiana, India, and master's and doctorate degrees in soils from the Indian Agricultural Research Institute and The Ohio State University.

Prior to his current position, Lal has served as a research assistant, soil physicist, professor and president and member of several organizations devoted to conservation agriculture. He currently serves as the director of carbon management and sequestration center in Columbus, Ohio and the director of the South Asia Initiative, along with chairing the International Committee on Tropical Deforestation and Land Development in Nigeria and editing and writing several environmental and soil-related books and journals. Lal is proficient in English, Hindi, Punjabi, Urdu and French. He has been honored with several awards, including the Distinguished Senior Faculty Award from the Ohio Agricultural Research Development Center.



## TELMO AMADO

Telmo Amado has worked as a consultant to the Food and Agricultural Organization of the United Nations in six African countries, and also has experience with conservation agriculture in Paraguay, Colombia and Argentina. He has experience with no-till conservation practices in tropical and subtropical environments, and his research includes carbon sequestration in agriculture soils managed with conservation agriculture.

Amado holds a doctorate degree in agronomy and soil science. He has published 55 articles and 16 book chapters, mainly in conservation agriculture.



## CHARLES RICE

Charles Rice is a Professor of Soil Microbiology in the Department of Agronomy at Kansas State University. Rice teaches courses in soil microbiology and conducts research on microbial ecology and soil carbon and nitrogen transformations, including carbon and nitrogen emissions, in agricultural and grassland ecosystems. He has advised master's, doctoral and post-doctoral students, and has over 100 publications to his name. The Soil Science Society of America, America Society of Agronomy and the American Association for the Advancement of the Sciences have elected him as a fellow. He earned his degrees from Northern Illinois University and the University of Kentucky.

Rice currently serves as Director of the Consortium for Agricultural Soils Mitigation of Greenhouse Gases (CASMGs). This consortium is a 10 institution organization to conduct research on the potential of agricultural soil to sequester carbon dioxide while providing benefits to producers. He also was appointed by the U.S. Secretary of Agriculture to serve on the Agricultural Air Quality Task force 2006-2008. Chuck served on the UN Intergovernmental Panel on Climate Change (IPCC), which received the 2007 Nobel Peace Prize.



# Speaker Biographies - continued

## HONGWEN LI

Hongwen Li is a professor at China Agricultural University, and a specially engaged professor of Shandong University of Technology. He leads conservation tillage research for the Ministry of Agriculture, People's Republic of China (PRC), and he is the director of Agri Mechanization Committee of China Society of Agri Engineering and vice director of Soil Tillage Committee of China Society of Agricultural Machine. In addition, he is the senior expert of conservation tillage for the Ministry of Agriculture and nine Provinces, PRC, serves as the chief expert of the Beijing conservation tillage project and is a consultant for the Asian Development Bank (ADB) and Global Environment Facility (GEF) projects.



Li has studied conservation tillage since 1991 and is one of the earliest researchers of conservation tillage in China. Conducting 20 international and national projects on conservation tillage, he has successfully applied conservation tillage to small farms using small machines and applied double crop conservation tillage in China. In other work, Li has developed special no-till wheat seeders to sow wheat into heavy maize stubble, and he has started research on using conservation tillage to reduce wind erosion, water erosion and greenhouse gas emission. He owns more than 30 patents, and more than 50 percent of the no-till planters in China are from his team's prototypes. Li has published more than 50 papers on conservation tillage, earned 12 awards and honors from China Central government and Ministry of Agriculture, Ministry of Education, and some provinces.

## LOUISA KIELY

Louisa Kiely founded the Carbon Coalition Against Global Warming in 2006, along with her husband Michael. Their main goal is to lobby for the rights of Australian landholders to trade on the emissions offset market the credits they can earn by sequestering carbon in their soils. She organized and ran the world's first Carbon Farming Expo & Conference in Mudgee, Australia, in November 2007, with delegates from every State in Australia and New Zealand. She and Michael frequently travel throughout Australia and the United States meeting scientists and farmers and spreading the word about "carbon farming." Kiely obtained a bachelor's degree in agricultural economics from the University of New England. She has worked in the market research industry and served as the director and general manager of Boomerang Integrated Marketing and Advertising, a city-based marketing agency she and her husband grew.



Intent on following her first choice of career, she studied for the Advance Diploma of Farm Management, trained in Holistic Management, and since 1998 she has been a woolgrower in the Wellington NSW district. She has developed the "CarbonCredited™" brand for wool and is currently recruiting woolgrowers into this emissions reduction program. She is also co-founder of Carbon Farmers of Australia – a not-for-profit trading arm of the Carbon Coalition and organized two soil carbon summits between scientists and farmers, in Dubbo and Orange NSW. Kiely has been recognized for her work by being chosen as runner up in the 2008 NSW Rural Woman of the Year, and is nominated for inclusion in the 2009 Who's Who of Australian Women for outstanding contribution to agriculture.

# Speaker Biographies - continued

## MICHAEL KIELY

After working more than 30 years in the creative marketing field and then moving to the country, Michael Kiely realized the huge challenges agriculture faces. He wanted to use his skills to research all issues concerning farmers and climate change. He is now an agriculture climate change consultant and educator. Kiely and his wife, Louisa, are woolgrowers from the Wellington district of NSW and convenors of the Carbon Coalition Against Global Warming, a movement of farmers and citizens that aims to have soil carbon recognized as a major solution to Climate Change. He also still serves as the executive editor of *Marketing* magazine, and has also been the creative director of a large agency, as well as regularly speaking at conferences and workshops for many organizations. He is the founding chairman and managing director of Boomerang Integrated Marketing and Advertising.

Kiely and his wife are also involved with the Carbon Farmers of Australia, a company that aggregates and sells soil carbon credits, and have negotiated the first order for soil carbon credits from the Chicago Climate Exchange. Kiely recently appeared as an expert witness before the NSW Premier's greenhouse advisory panel and the NSW Department of Primary Industries Climate Risk Management Project. Last year, he and Louisa organized and conducted the World's First Carbon Farming Conference and Expo, attracting 350 delegates from all states in Australia and New Zealand.

## BRAM GOVAERTS

Bram Govaerts is currently leading the Mexico-based Cropping Systems Management team at the International Maize and Wheat Improvement Center, International (CIMMYT, Int.). His responsibilities are to manage the long-term agronomic sustainability, and to lead the cropping system management efforts of the center in central and northern Mexico, give support to other international programs and other international centers, as well as national agriculture research organizations on cropping management. His focus is on no-till conservation agriculture. He develops networks of excellence with public and private sector partners to install hubs or benchmark sites in key agro-ecological areas in order to coordinate and stimulate research and extension work on Conservation Agriculture.



From 2003-2007, Govaerts was a research associate with the Katholieke Universiteit Leuven, conducting research for his doctorate dissertation, *Conservation Agriculture, a sustainable production alternative for the (Sub)tropical Highlands; Toward an integrated evaluation of the system*, in collaboration with CIMMYT, Int. He holds bachelor's and master's degrees in bioscience engineering, with a specialization in Soil Conservation in combination with Tropical Agriculture at the Katholieke Universiteit Leuven in Belgium, where he graduated with major distinction. To date, Govaerts has published 22 peer reviewed articles. In 2003, he received the Development Cooperation Prize of the Belgian Federal Government and was appointed as Belgian Official Representative of the International Youth Forum for the Food and Agriculture Organization of the United Nations in 1998. That same year, he won an award for his participation in the Food Security Project from the State Secretary for Development and the Ministry of Agriculture of Belgium.

# Speaker Biographies - continued

## **JOAO CARLOS de MORAES SA**

João Carlos de Moraes Sá is a professor in the department of soil science at the Universidade Estadual de Ponta Grossa (UEPG) in Brazil. He earned a doctorate degree in soil science from São Paulo State University and The Ohio State University in 1997. Recently, he completed a post-doctoral program at The Ohio State University focused on carbon sequestration and no tillage. Prior to joining the faculty at UEPG, Sá was lead researcher in soil fertility at Fundação ABC, Castro-Paraná in Brazil and worked in the extension service as well. For the last seven years, he's been working on a research grant in a soil organic matter program in Brazil's Paraná State.



Sá has worked in the field of no-tillage since 1980, with particular emphasis on soil fertility management, soil organic matter dynamics and carbon sequestration. His research findings on soil organic matter dynamics provide some innovative concepts on formation and nitrogen of soil organic carbon and nitrogen. He and his colleagues have developed procedures for fractionating soil organic matter, and have been using the stable isotopes of carbon to determine rates of turnover, loss and accumulation of C from the atmosphere and different vegetation. His other studies have looked at cropping systems and nutrient cycling in no-till.

## **JEFF TULLBERG**

Jeff Tullberg is an agricultural engineer with broad experience in research, teaching, extension and consulting on the technical, economic and environmental impacts of farm machinery. He has worked in Australia, the United Kingdom, the United States and China, and led projects on a range of topics including mechanization economics, tractor efficiency and reliability, physical weed control, conservation cropping systems and controlled traffic farming.

Tullberg holds a diploma in agricultural engineering from West of Scotland Agricultural College, along with a master's degree from Rutgers University in the United States and a doctorate degree from the University of Queensland in Australia. For many years, he led the crop production technology group in the School of Agriculture and Horticulture. He is a fellow of the Australian Institute of Agricultural Science, and past a president of the International Soil Tillage Research Organization.



# Speaker Biographies - continued

## MARIA CRISTINA AMEZQUITA

María Cristina Amézquita is the scientific director of a large international research project – *Carbon Sequestration in Tropical Pasture and Silvo-pastoral Systems in Ecosystems of Tropical America* — financed by The Netherlands Cooperation and implemented by two Colombian institutions and three international research centers. This project was recently extended for 2008-2009 to the semi-arid ecosystem of Colombia, with financial support from the Colombian government.



Amézquita holds a doctorate degree in production ecology and resource conservation from Wageningen University in the Netherlands. Her areas of expertise include research methodology, sustainable tropical pasture and silvo-pastoral systems, climate change mitigation and adaptation options. She has been consultant to various national agricultural and environmental organizations, including the Food and Agriculture Organization of the United Nations (FAO), World Bank, Inter-American Development Bank (IDB), and various national research centers and universities in Latin America. She is the editor of 5 scientific books, many scientific book chapters and international publications in agriculture and environmental research for the benefit of the tropical and sub-tropical world.

## STEPHEN MCCOMB

Stephen McComb is an economist at the Chicago Climate Exchange Inc. (CCX), a self-regulatory exchange that administers a voluntary greenhouse gas reduction and trading program for North America. His work at CCX is focused on developing the offsets program, offset methodologies and facilitating participation of offset providers and aggregators.



McComb holds a bachelor's degree in economics and a master's in environmental applied science and management. His master's thesis, titled *Local Willingness-to-Pay Estimates for the Remediation of the Sydney, Nova Scotia Tar Ponds*, is published in the journal *Canadian Public Policy*. He previously worked as an analyst with Ontario Energy Board (OEB). His work with the OEB focused on case management and analysis of regulatory applications for new energy infrastructure and establishing demand side management programs for electric distribution utilities, which consisted of an initial funding amount in excess of \$300 million. Prior to his work with the OEB, McComb was an analyst with an environmental consulting practice in Toronto, Canada.

## TOM GODDARD

Tom Goddard is a senior resource policy manager with Alberta Agriculture and Rural Development in Edmonton, Alberta. He has a wide background in soil science including conservation technologies, precision farming, greenhouse gasses, landscape relationships, soil quality and reclamation. He continues to be involved in research and extension, using them to inform his policy work.

Goddard recently served as senior editor of the book, *No Till Farming Systems*, published by the World Association of Soil and Water Conservation.



# Speaker Biographies - continued

## **DENNIS HAAK**

Dennis Haak is the senior soil resource specialist with Agriculture and Agri-Food Canada, working in the Prairie Farm Rehabilitation Administration and Environment Branch in Saskatoon, Saskatchewan.

After growing up on a dairy farm in British Columbia, Haak earned a bachelor's degree in agriculture, specializing in soil science, from the University of British Columbia in 1980. From 1984 to 2004, he worked as a district soil conservationist with Agriculture and Agri-Food Canada in Rosetown, Saskatchewan. Haak helped coordinate the selection of best management practices for the National Farm Stewardship Program in 2004 and coordinated the development of soil management protocols under the proposed federal greenhouse gas offset system in 2005 and 2006. His current activities involve developing soil better management practices for improved nutrient management and greenhouse gas emission reductions. One of his current projects is the management of in-field livestock winter grazing and feeding systems for improved soil health and minimal environmental impacts.



## **DALE ENERSON**

Dale Enerson serves as the Director of the National Farmers Union Carbon Credit Program in Jamestown, North Dakota. He has also served as the economist for North Dakota Farmers Union.

Enerson holds a master's degree in agricultural education from North Dakota State University, and his work experiences include no-till farming, teaching adult farm management education, serving as board chairman of Dakota Quality Grain Cooperative, working as a Farm Services Agency loan servicing contractor, working as a loan officer with Farm Credit Services, and teaching high school vocational agriculture. Dale and his wife Mary continue to farm part-time near Stanley, N.D.



## **DON MCCABE**

Don McCabe, a cash crop farmer in Lambton County, Ontario, is serving his first term as Vice President of the Ontario Federation of Agriculture after serving as a member of the Executive Committee for two years. He also holds the vice president office for the Soil Conservation Council of Canada. After studying at the doctorate level in soils at the University of Guelph, he returned to the family farm. McCabe is very interested in environmental issues, and he also works to ensure the general public has a better understanding of modern agriculture.

He has served on the board of directors of the Ontario Agri-Food Education, and in that role, he developed effective methods for teaching agricultural topics to students and society in general. He currently serves as a member of the National Canadian Association of Independent Schools (CAIS) Committee, which makes recommendations on proposed changes to CAIS.



# Speaker Biographies - continued

## **TONY VYN**

Tony Vyn is a professor and cropping systems extension agronomist in the Department of Agronomy at Purdue University. He has been involved in conservation tillage research for corn, soybean and wheat crops since his master's thesis research began in 1976.

Vyn earned his doctorate degree in 1987 from the University of Guelph in Guelph, Ontario, Canada. He was a faculty member in the Crop Science Department at the same university from 1987 until he joined Purdue University's staff in 1998.



As a graduate student adviser, he helps his students focus their research on understanding the interactions of tillage, crop rotation and nutrient placement systems with soil properties, greenhouse gas emissions and crop response. His current investigations include tillage comparisons, RTK automatic guidance for strip tillage and nutrient banding, plant-to-plant variability in corn at a range of plant populations, deep banding of P and K fertilizers for corn and soybean in intended high yield environments, and soybean manganese uptake following glyphosate applications. Vyn has served as extension coordinator for the Agronomy Department at Purdue, and as associate editor for the journals of Agronomy, Crop Science, and Soil and Tillage Research.

## **ALAN J. FRANZLUEBBERS**

Alan Franzluebbbers is an ecologist with the Agricultural Research Service of the United States Department of Agriculture (USDA) in Watkinsville, Georgia. He holds an adjunct faculty position with the Department of Agronomy and Soils at Auburn University in Alabama. He earned his bachelor's and master's degrees from the University of Nebraska and his doctorate degree from Texas A&M University. His research program focuses on soil organic matter management for development of sustainable agricultural systems. Conservation tillage, pasture management and integrated crop-livestock production are topics of his interest.



In 2005, Franzluebbbers helped to organize the Soil Resource Management National Program for the USDA-Agricultural Research Service. He has been a member of the scientific advisory committee for the Chicago Climate Exchange since October 2006. His service has also extended to several committees for the Soil Science Society of America, including the committee for Global Enhancement of Soil Organic Matter, committee on Standardization of Methods for Measurements, Monitoring, and Verification of Carbon Sequestration in Agricultural Soils, the committee on Greenhouse Gas Working Group and the committee for Emerging Issues in Soil Science. He has authored or co-authored more than 90 peer-reviewed articles and written several book chapters on soil and agronomic responses to agricultural management.

# Speaker Biographies - continued

## **SARRA BACCOURI**

Sarra Baccouri works as an agronomist with one ONG: APAD (Association for Sustainable Agriculture) to develop conservation agriculture (PADAC) in Tunisia. The project is financed by le Fond Français pour l'Environnement Mondial (FFEM). As part of this, she helps farmers in Tunisia and in North Africa to better understand conservation agriculture and the no-tillage farming practices.

Baccouri earned a degree in agronomy from Ecole Supérieure d'Agriculture du Kef in Tunisia in 2006. She currently is completing her master's degree of science and agronomy at l'INAT, the National Institute of Agronomy in Tunisia.



## **S.K. TANDON**

S.K. Tandon is the assistant director general at the Indian Council of Agricultural Research (ICAR) in New Dehli. He joined ICAR in 1984 as a scientist at the Indian Agricultural Research Institute (IARI). He taught and guided post-graduate students at IARI in farm power and machinery. He also taught at Punjab Agricultural University in Ludhiana as an assistant engineer.

Tandon's major professional achievements are in the fields of design and development of no-till drills, intercultural equipment, farm power machinery, cotton sprayers, sugarcane planters sowing equipment, flat-plate solar collectors, and many others. He also works with renewable energy, data collection, safety and occupational health hazards and the testing of agricultural equipment.



## **BLAIR MCCLINTON**

Blair McClinton is the executive manager for the Saskatchewan Soil Conservation Association (SSCA). After growing up on a grain and dairy farm near Yellow Grass, Saskatchewan, Canada, he attended the University of Saskatchewan where he received a bachelor's degree in agriculture in 1985.

McClinton has worked for SSCA since 1990 and has been the association's executive manager for the past six years. He has played a key role in the development of direct seeding programs and was a co-author and editor of the SSCA-PAMI Direct Seeding Manual. Over the past 10 years, McClinton has helped the SSCA develop its climate change and offset trading policies and has been actively advancing these ideas at both the provincial and national level.



# Speaker Biographies - continued

## **RICHARD FOWLER**

Richard Fowler is currently employed part-time by the University of Fort Hare's Conservation Agriculture Thrust (CAT). He was born in Johannesburg, South Africa, and graduated from the University of Natal in Pietermaritzburg with a bachelor's degree in agronomy. He worked in Swaziland, a neighboring country also in South Africa, as a technical adviser for an input supplier, a farm manager, a farmer and a manager of a commercial agricultural input supplier he started for 10 years.



Fowler returned to South Africa in 1984 and worked as a weed agronomist for the Agricultural Research Council's Grain Crops Institute's Conservation Tillage Unit based in Cedara, Africa. Always interested in reducing tillage, he introduced direct seeding to small farmers in South Africa and convened an international Conservation Tillage Workshop in northern KwaZulu in 1997. In 1998 he was one of the convenors of the Harare no-till conference which resulted in the formation of the African Conservation Tillage network ACT, of which he was the first secretary and for which he initiated the monthly e-Newsletter ACT NOW! He retired in 2006, but continues to be actively involved in Africa, especially South Africa and neighboring states, as a Conservation Agriculture Capacitator, passing on his experience and encouraging farmers, advisers and policy makers to 'save our continent' and adopt Conservation Agriculture.

## **BARRY FISHER**

Barry Fisher serves as the state agronomist for the Natural Resources Conservation Service (NRCS) in Indiana. He provides state-wide agronomic training and assistance to NRCS Field Staff and farmers and coordinates activities of the Indiana Conservation Tillage Initiative (ICTI). Fisher has worked for the USDA Natural Resources Conservation Service since 1981. He has a degree in agronomy from Western Kentucky University and is a native of French Lick, Indiana.



Fisher strives to advance the technology of conservation cropping systems and identify successful steps for the adoption of no-till and high-residue farming.

## **TIMOTHY J. HEALEY**

Timothy Healey is the vice president of Regulatory Affairs for Agrotain International, L.L.C., in St. Louis, Mo., where he is responsible for domestic and international product registrations, product safety, distribution and supply agreements, patents and trademarks. He holds a bachelor's degree in administration of justice from the University of Missouri at St. Louis, and a master's of criminal justice administration from Central Missouri State University.



Healey serves as the First Vice Chair of CTIC's board of directors and has been a board member since 2004. He is also a member of the board at the Whitney R. Harris World Ecology Center at the University of Missouri in St. Louis, a member of The Fertilizer Institute's Nutrient Use Committee and a member of Missouri's State Technical Committee.