




June 18, 2019
Bios of Attendees
U.S-China Loess Exchange
Attendees

Presentation No.	Name	Biography
	<u>For U.S. Team</u>	
1, 4	William (Bill) Blackburn, US Chair	<p>President and Founder, the Green Hollow Center, Inc. and W. Blackburn Consulting, WRB@WBlackburnConsulting.com, +1.847.530.4014;</p>  <p>EDUCATION</p> <ul style="list-style-type: none"> • JD in law, University of Iowa • BS in aerospace engineering, Iowa State University • Board of Advisors for DePaul University's (Chicago) Sustainable Management Program <ul style="list-style-type: none"> • Admitted to the practice of law in Illinois, New Jersey, and the District of Columbia • Professional engineer's license in New Jersey • Bill's book, <i>The Sustainability Handbook—The Complete Management Guide to Achieving Social, Economic, and Environmental Responsibility</i>, is used for course work at Harvard and other universities. <p>EXPERIENCE</p> <ul style="list-style-type: none"> • President, William Blackburn Consulting, Ltd., focusing on sustainability; environment, health and safety (EHS) management; and emergency and crisis response. The firm is a social enterprise with all net revenues going to The Green Hollow Center, a nature preserve in the Loess Hills of Southwest Iowa, which will become a state park in 2019. • Founder and first chair of the 7-county Iowa Loess Hills & Heritage Week, supported by the Iowa Governor's proclamation. • Formerly vice president and chief counsel, Corporate Environment, Health and Safety and the sustainability leader at Baxter International Inc., a \$10 billion global manufacturer of health-care products based in Deerfield, Illinois. Under his leadership, the Baxter EHS and sustainability programs received over 300 external awards.


	<p>Sara Murphy Blackburn</p>	<p>RESEARCH INTERESTS Raising public awareness and support for large loess landforms, their history, nature, and value; Loess Hills restoration techniques, invasive species control, erosion control techniques</p> <p>Vice President, the Green Hollow Center, sjqv@comcast.net, +1.847.641.1052</p>  <p>EDUCATION BA, Journalism, University of Iowa.</p> <p>EXPERIENCE Sara is vice president of the Green Hollow Center, Inc., a U.S. nonprofit organization devoted to the preservation of, and education about, the Loess Hills of Western Iowa, including its fauna and flora, history, archeology, anthropology, soils and geology; and research for and education of organizations, students and the general public on the concept of Sustainability—the balance of economic, social, and environmental responsibility. Formerly, Sara produced film commercial advertisements and performed other advertising services in the New York, NY area.</p>
<p>1, 4</p>	<p>Graham McGaffin</p>	<p>Associate Director- Conservation, and Director- Loess Hills Program, The Nature Conservancy, gmcgaffin@TNC.org, +1.712.898.7165</p>  <p>EDUCATION M.S., Agricultural & Applied Economics, and B.S., Economics, University of Wyoming.</p> <p>EXPERIENCE Graham works with landowners & partners in Iowa’s Loess Hills to achieve durable land protection of the landform. Such work includes leading and negotiating conservation easement and fee title transactions, serving on various professional boards to distribute public and private funding for land conservation and economic development projects in the Loess Hills, and supporting The Nature Conservancy’s on the ground land management team. Graham also leads TNC Iowa’s work on stream and wetland mitigation and various strategic planning responsibilities as part of the organization’s alignment around a shared conservation strategy. Graham oversees freshwater program staff and IT/GIS program staff. Prior to joining The Nature Conservancy in Iowa, Graham served as state and federal policy director for The Nature Conservancy in Wyoming</p>

		and as a Project Manager for the Wyoming Stock Growers Land Trust.
1, 4	Zhang Xiaoquan	<p>Chief Science Officer, The Nature Conservancy-China Pgm., Beijing, Ph. +86 10 8531 9588 / 18611339308, Fax : +86 10 8532 3922, zxiaoquan@tnc.org</p> <p>EDUCATION PhD, Forest Ecology</p> <p>EXPERIENCE</p> <ul style="list-style-type: none"> • Senior Scientist, Deputy Director, and Chief Science Officer of TNC China, and is managing projects in Inner Mongolia, Sichuan, Yunnan and Henan as well as TNC China’s science team, protected land team and climate change team • Chinese Academy of Forestry in the field of forest soil, forest hydrology and forest ecology during 1986-1996, and climate change and forest issues during since 1999. and lead scientist on climate change and forests during 2003-2009.
2	Zhou Jinfeng	<p>Secretary-General, China Biodiversity Conservation and Green Development Foundation (CBCGDF), member of IUCN/WCEL, IUCN/WCPA, jz@cbcgdf.org</p> <p>EDUCATION</p> <ul style="list-style-type: none"> • PhD, Chemistry, Perdue University • BS. Peking University <p>EXPERIENCE</p> <ul style="list-style-type: none"> • Member, International Union for Conservation of Nature (IUCN), World Commission on Environmental Law and World Commission on Protected Areas • Member, Ninth, Tenth, and Eleventh National Committee of the Chinese People's Political Consultative Conference (CPPCC) • Member, Proposal Committee of the National Committee of the CPPCC • Member, Standing Committee of the All-China Federation of Industry and Commerce • Member, China Democratic National Construction Association • 9th and 10th Vice Chairman, the China Vocational Education Association <p>RESEARCH INTERESTS</p>

		Restoration of China natural areas; sustainable development, biodiversity conservation, environmental protection, and poverty alleviation in China
3	John Liu	<p>Ecosystems Ambassador, Commonland Foundation, Netherlands Institute of Ecology, Royal Academy of Arts and Sciences of the Netherlands, john.liu@commonland.com, +86 139 1156 5016, Beijing</p> <p>EDUCATION</p> <ul style="list-style-type: none"> • Visiting Research Fellow, Netherlands Institute of Ecology (NIOO), Royal Academy of Arts and Sciences of the Netherlands (KNAW) • Visiting Fellow – Critical Zone Hydrology Group, Vrije University Amsterdam • Senior Research Fellow – International Union for the Conservation of Nature (IUCN) • Assistant Research Professor – George Mason University Center for Climate and Society, College of Sciences • PhD Candidate – University of Reading, UK, School of Human and Ecological Studies • Rothamsted International Fellow for the Communication of Science • Visiting Fellow - University of the West of England (UWE) – Faculty of the Built Environment and Faculty of Applied Sciences <p>EXPERIENCE</p> <ul style="list-style-type: none"> • Wrote, produced and directed approximately 30 documentary films (and over 400 speeches and numerous articles) on conservation and environmental topics (including several on the Loess Plateau) for BBC, Discovery, National Geographic, PBS, CCTV and other Networks • Ecosystem Ambassador – COMMONLAND Foundation Communications – Ecosystem Return Foundation (ERF) • Senior Research Fellow – International Union for the Conservation of Nature (IUCN) • Assistant Research Professor – George Mason University • Technical Director – ZDF Studio Beijing • Producer Cameraman – RAI Italian Television Beijing, and CBS News <p>RESEARCH INTERESTS</p> <p>Large-scale ecological restoration; environmental/social documentary film-making and public speaking</p>
7	John Thomas	Project Director and Fluvial Geomorphologist,

		<ul style="list-style-type: none"> • Senior Visiting Professor, Chinese Academy of Sciences • Recipient of 20 significant professional awards, and author or co-author of over 300 professional papers <p>Dr. Horton has taught soil physics courses at Iowa State University since 1982. He served as Chair of the Water Resources Graduate Major. He also recruited and instructed graduate students within the program.</p> <p>Dr. Horton led an undergraduate foreign travel course to Asia (Japan, China, S. Korea, Taiwan). He served as faculty member on the College of Agriculture Honors Program. He taught short courses on coupled heat and mass transfer in soil at the University of Hannover in Germany and at the Institute of Soil and Water Conservation in China. He served as a member of the Academic Advisory Committee for the Chinese Academy of Sciences National Laboratory of Soil Erosion and Dryland Farming. He has made annual visits to China since 1996. In 2010 he spent 5 months in China as a Chinese Academy of Sciences Visiting Professor. He has served several students through advising on thesis research projects. In collaboration with Chinese students and scientists, he has co-authored over 60 journal papers. Dr. Horton also jointly advised two soil science PhD students at the University of Hannover in Germany.</p> <p>Dr. Horton has given training sessions to extension personnel, agricultural consultants, industrial agronomists, and state agency personnel. Dr. Horton has served as a faculty advisor for four different Iowa State University student organizations. He taught short-courses at ISU, Germany, and China.</p> <p>RESEARCH INTERESTS</p> <p>Dr. Horton performs fundamental research on coupled heat and mass transfer in soil. His fundamental research has applications to the following: climatology; water quality; agricultural production; ecosystem products and services; environmental investigations; waste disposal; and building heating/cooling systems.</p> <p>Dr. Horton has not only made advances in the science of coupled heat and mass transfer, he has led development of instruments used to measure this coupled phenomena.</p>
13	Bradley Miller	<p>Assistant Professor, Soil Informatics, Iowa State University, millerba@iastate.edu</p> <p>EDUCATION</p> <ul style="list-style-type: none"> • Ph.D., Geography, Michigan State University • M.S., Soil Science and Water Resources (co-majors); minor in Political Science, Iowa State University

		<ul style="list-style-type: none"> • B.S., Environmental Science, Iowa State University <p>EXPERIENCE</p> <ul style="list-style-type: none"> • Assistant Professor, Soil Informatics, Iowa State University 2018 • 2018 Dan Yaalon Young Scientist Medal, International Union of Soil Sciences <p>RESEARCH INTERESTS Digital Soil Mapping, Soil Geomorphology, Spatial Analysis, History and Philosophy of Soil Science</p>
15	Michael Thompson	<p>Professor Agronomy-Soil Mineralogy, Iowa State University, mlthomps@iastate.edu, +1.515.294.2415</p> <p>EDUCATION</p> <ul style="list-style-type: none"> • Ph.D., Agronomy (Soil Genesis), Ohio State University • B.S., with High Honors, Agricultural Sciences, University of Illinois, Urbana-Champaign <p>EXPERIENCE</p> <ul style="list-style-type: none"> • Professor, Agronomy Department, Iowa State University) • Visiting Professor, School of Natural Resources and Environment, Shandong Agricultural University, Tai'an, China • Visiting Professor, School of Natural Resources and Environment, Anhui Agricultural University, Hefei, China • Pioneer Hi-Bred Professor of Agronomy, Agronomy Department, Iowa State University • Associate Professor, Agronomy Department, Iowa State University • Fulbright Junior Lecturer, Institut National Agronomique, Paris • Co-author, <i>Soils: Genesis and Geomorphology</i>. Cambridge Press (2005), and author of numerous journal articles <p>RESEARCH INTERESTS Dr. Thompson's research program centers on environmental applications of soil chemistry and mineralogy. These studies seek to identify chemical and physical conditions that favor stability, transformations, and movement of nutrients, soil organic matter, and anthropogenic contaminants in soils. Current research projects include quantification of the impacts of biofuel cropping systems on plant nutrients in soil, the mechanisms of colloid-mediated transport of hormones derived from municipal biosolids, and the composition of organic matter preserved in Quaternary paleosols.</p>

	<u>For China Team</u>	
11	Jun Fan, China Vice Chair	<p>State Key Laboratory of Soil Erosion and Dryland Farming on the Loess Plateau, Institute of Soil and Water Conservation, Northwestern A&F University, +86.189.9129.1777, fanjun@ms.iswc.ac.cn</p>  <p>EDUCATION</p> <ul style="list-style-type: none"> • Ph.D. (2001-2005) Soil science, Institute of soil science, the Chinese Academy of Sciences, Nanjing. • M.S. (9/1998-/6/2001) Plant nutrition and fertilizers, Institute of Soil and Water Conservation, the Chinese Academy of Sciences, Yangling. • B.S. (9/1994-6/1998) Soil and Water Conservation, Department of Resources and Environment, Northwest A & F University, Yangling. • Visiting scholar, Utah State University (7/2008-8/2009), Clemson University (3/2016-2/2017). <p>EXPERIENCE</p> <ul style="list-style-type: none"> • Professor (2015-) Soil physics, Institute of Soil and Water Conservation, the Chinese Academy of Sciences, Northwest A&F University, Yangling. • Associate Professor (2008-) Soil physics, Institute of Soil and Water Conservation, the Chinese Academy of Sciences, Northwest A&F University, Yangling. • Assistant Professor (2003-2008) Soil physics, Institute of Soil and Water Conservation, the Chinese Academy of Sciences, Yangling. • Research Associate (9/2001-12/2003) Soil physics, Institute of Soil and Water Conservation, the Chinese Academy of Sciences, Yangling. <p>CURRENT RESEARCH</p> <p>Soil water balance, sap flow, evapotranspiration, thermal pulse method and soil CO₂ efflux.</p>
6	Baoyuan Liu, Sponsor	Department of Geography, Beijing Normal University, baoyuan@bnu.edu.cn , 10-6220-9959 (o); 10-6220-7657 (o)

**EDUCATION:**


- Ph. D, Soil Science (Soil Erosion), Northwestern Institute of Soil and Water Conservation, Chinese Academy of Sciences (NWISWC-CAS), Yangling Shaanxi, P. R. China, 9/1987-7/1990. Dissertation: Rainfall erosivity modeling for small watershed.
- M.S., Soil Science (Soil Erosion), Northwestern Institute of Soil and Water Conservation, Chinese Academy of Sciences (NWISWC-CAS). 2/1982-1/1985. Dissertation: Concentrated flow erosion on the hillslope of Loess Plateau
- B.S., Geography, Department of Geography, Shaanxi Normal University. 2/1978-1/1982.


EXPERIENCE:


- Director, State key Laboratory of Soil Erosion and Dryland Farming on the Loess Plateau, Northwest Agriculture and Forestry University, Chinese Academy of Sciences, 2015-2020.
- Professor, School of Geography, Beijing Normal University, 07/1996-present, Dean of School of Geography during 1997-2000, 2001-2004.
- Post-doctoral research associate, 12/1992-06/1996, USDA-ARS, National Soil Erosion Research Lab, Purdue University, West Lafayette, IN 47907, USA. Soil erosion research and WEPP (Water Erosion Predication Project) model validation and developing equations for hydrologic conductivities.
- First Prize in Science and Technology, Chinese Society of Soil and Water Conservation, 2018, ranking first; National Outstanding Scientific and Technological Researchers, [China Association for Science and Technology](#), 2016; National Outstanding Researcher in Scientific and Technological Field Working, Ministry of [Science and Technology](#) of China, 2009

RESEARCH INTERESTS:

- Soil erosion mechanism and processes;
- Soil erosion research methods: developed a new wind erosion measurement method called wind erosion measurement circle (WEMC), built both field and laboratory rainfall simulators;
- Soil erosion prediction modeling: developed Chinese Soil

		<p>Loss Equation (CSLE), especially suitable to steep slope erosion and Chinese soil conservation measures, derived new equations for the slope gradient and length factors;</p> <ul style="list-style-type: none"> • Regional soil erosion survey and assessment: developed the methods of regional sampling design and field soil erosion investigation, which has been applied in the National Soil Erosion Survey of China; • Effects assessment of soil conservation measures; • Development of gully erosion control technologies; • Analyzed and mapped the spatio-temporal variation of sediment and runoff in the Yellow River Basin; • Development and Validation of the Water Erosion Prediction Project (WEPP) model.
9	Li Wang	<p>Professor, Soil Science, NWSUAF, State Key Laboratory of Soil Erosion and Dryland Farming of Loess Plateau, Institute of Soil and Water Conservation, Chinese Academy of Science & Ministry of Water Resources, wangli5208@nwfafu.edu.cn, 86+29+87082443</p> <p>EDUCATION</p> <ul style="list-style-type: none"> • PhD, Soil Science, NWSUAF • M.S., Soil and Water Conservation & Desertification Prevention, Institute of Soil and Water Conservation, Chinese Academy of Science & Ministry of Water Resources, Yangling • B.S., Desertification Prevention Northwest Forestry College, Yangling <p>RESEARCH INTERESTS</p> <p>Soil physics and soil conservation, soil water depletion in deep soil zone, soil rehabilitation, stable isotope hydrology</p>
12	YuanJun Zhu	<p>Associate Professor, Soil Science, NWSUAF, Yangling, Shaanxi, zhuyuanjun@foxmail.com, zhuyj@nwsuaf.edu.cn, (86)+13991182149</p> <div style="display: flex; align-items: flex-start;">  <div> <p>EDUCATION</p> <ul style="list-style-type: none"> • Ph.D. in Physical Geography, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences • M.S. in Ecology, Institute of Soil Science, Chinese Academy of Sciences • B.S. in Forestry, College of Forestry, </div> </div>

		<p>Northwest A&F University</p> <p>EXPERIENCE</p> <ul style="list-style-type: none"> • Assistant Professor, Institute of Soil and Water Conservation, Northwest A&F University • Visiting Scholar, College of Agriculture and Life Science, Cornell University, US • Associate Professor, Institute of Soil and Water Conservation, Northwest A&F University <p>RESEARCH INTERESTS Soil Science/Soil Physics, hydrology</p> <p>Dr. Zhu's interests are in soil water process and its cycling, including 1) soil-water processes and modelling for heterogeneous soils, 2) soil-water processes and water cycle in ultra-deep loess profile of the Loess Plateau, 3) high use efficiency of water and nutrients in the loess tableland region, and 4) soil water assessment at a regional-scale.</p>
12	Xiaoxu (Daniel) Jia	<p>IGSNRR-Beijing-Soil Scientist, jiaxx@igsnr.ac.cn Associate Professor, Soil Physics and Ecohydrology, Institute of Geographic Sciences & Natural Resource Research, Chinese Academy of Sciences, Chaoyang District, Beijing 100101, jiaxx@igsnr.ac.cn, +86 15901363630</p> <div style="display: flex; align-items: flex-start;">  <div style="flex-grow: 1;"> <p>The primary emphasis of Dr. Jia in research has been soil hydrological and biogeochemical processes in loess regions. His particular interests are the spatiotemporal variations of soil water across scales, the simulations of water movement and solute transport in the loess critical zone, the soil-water carrying capacity for vegetation in the arid and semiarid regions, and the response of vegetation to soil desiccation. Dr. Jia has authored or co-authored 70 international journal articles.</p> </div> </div>
12	Mingan Shao	<p>Inst. of Geographic Sci & Nat. Res. Research-Beijing-Soil Scientist, shaoma@igsnr.ac.cn</p>
14	Jiangbo Qiao	<p>Assistant Researcher, Environmental Science, NWSUAF, Jiangboqiao815@163.com , 18710833954</p>

		 <p>EDUCATION</p> <ul style="list-style-type: none"> • Ph.D. Environmental Science, NWSUAF • B.S. Agronomy, Yuncheng University <p>EXPERIENCE</p> <p>Institute of soil and water conservation, NWSUAF</p> <p>RESEARCH INTERESTS</p> <p>Soil hydraulics and chemical transfer</p>