**附件1：日程安排（北京时间）**

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| **Dec. 9th****(Beijing Time)****12月9日** | **Activity****主题** | **Participant****参会专家** | **Host****主持人** |
| 8:00-8:30 | Opening开幕致辞 | Speech by leaders领导致辞 | Zhaohui WANG(王朝辉) |
| **Plenary lectures特邀报告** |
| 8:30-9:10 | Metacoupling framework and applications in sustainable development 可持续发展中的大数据耦联与应用 | Jianguo LIU |  |
| 9:10-9:50 | Legume cover crops as nitrogen source for corn in a conventional and an organic managed soybean-winter wheat-corn rotations传统和有机大豆-小麦-玉米轮作管理中的豆科覆盖填闲与氮素供应 | Xueming YANG | Zhaohui WANG(王朝辉) |
| 9:50-10:30 | Cadmium accumulation in cereal crops谷类作物中镉的积累 | Jianfeng MA | Shiwei GUO(郭世伟) |
| 10:30-11:10 | Drivers of C and N cycling in semi-arid and arid climate干旱和半干旱条件下碳氮循环的驱动因素 | Petra MARSCHNER |
| 11:10-11:50 | Soil and nutrient management strategies in the US美国的土壤与养分管理策略 | Hailin ZHANG |
| **11:50-14:00 BREAK 午休** |
| 14:00-14:40 | Manures and biofertilizers in green development of agriculture in China有机肥、生物有机肥与中国农业绿色发展 | Qirong SHEN (沈其荣) | Jianwei LU(鲁剑巍) |
| 14:40-15:20 | Soil and plant nutrient management in China中国的土壤与植物养分管理 | Xinping CHEN (陈新平) |
| 15:20-16:00 | Bridging the gap between agronomy and human health农艺进步与人类健康 | Ismail CAKMAK |
| 16:00-16:40 | The soil biological system and the nitrogen dynamic土壤生物系统与氮循环 | Paolo NANNIPIERI | Jinshan LIU(刘金山) |
| 16:40-17:20 | The biofortification of cereal crops with zinc禾谷类作物的锌强化 | Philip John WHITE |
| 17:20-18:00 | Summary for the invited presentation特邀报告会议总结 | Shiwei GUO (郭世伟) |

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| **Dec. 10th (Beijing Time)****12月10日** | **Activity****主题** | **Participant****参会专家** | **Host****主持人** |
| **Special Symposium for Young Scientists 青年学者专场** |
| 8:00-8:20 | Microbial siderophore for rhizosphere health铁载体与根际健康 | Zhong WEI(韦中) | Wei ZHENG(郑伟) |
| 8:20-8:40 | Assembly of mycobiome in agriculture农业真菌组构建 | Cheng GAO(高程) |
| 8:40-9:00 | Reexamining soil microbial community with a cell size perspective基于细胞大小视角的土壤微生物群落特征初探 | Bin MA(马斌) |
| 9:00-9:20 | Root exudates mediate plant-soil feedbacks根系分泌物介导的植物-土壤反馈 | Jun YUAN(袁军) |
| 9:20-9:40 | Microbial biogeography and their ecological functions in agricultural ecosystem 农田土壤微生物地理格局及其生态功能 | Shuo JIAO(焦硕) |
| 9:40-10:00 | Soil bacterial community and functions in response to long-term phosphate fertilizer application in dryland of Loess Plateau旱地土壤细菌群落与功能对长期磷肥施用的响应 | Jinshan LIU(刘金山) |
| 10:00-10:20 | Spatio-temporal evolution of soil microbial communities in apple orchards with long-term organic substitution 苹果园长期有机替代土壤微生物群落时空演变 | Wei ZHENG(郑伟) | Min WANG(王敏) |
| 10:20-10:40 | Potassium in rice-oilseed rape rotation system: from soil to table quality稻油轮作中的钾：从土壤到餐桌的质量调控 | Xiaokun LI(李小坤) |
| 10:40-11:00 | Potassium on crop photosynthetic productivity: a systematic regulation of leaf expansion, photosynthesis and hydraulics作物光合生产力与钾：叶片扩张、光合与水动学过程的综合调控 | Zhifeng LU(陆志峰) |
| 11:00-11:20 | Genetic regulation of nitrogen use efficiency in Brassica napus：油菜氮效率的基因调控 | Guangda DING(丁广大) |
| 11:20-11:40 | Mesophyll conductance influences quantitative estimation of water-use efficiency叶肉导度影响植物水分利用效率的定量预测 | Xiaoying GONG(巩晓颖) |
| 11:40-12:00 | Nitrogen management in Citrus orchards of China: Challenges and implications中国柑桔园氮素管理：挑战与启示 | Yueqiang ZHANG(张跃强) |
| **12:00-13:40 BREAK 午休** |

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| **Dec. 10th (Beijing Time)****12月10日** | **Activity****主题** | **Participant****参会专家** | **Host****主持人** |
| 13:40-14:00 | Soil magnesium and magnesium fertilizer in China 中国土壤镁素状况及镁肥的提质增效作用 | Liangquan WU (吴良泉) | Zhifeng LU(陆志峰) |
| 14:00-14:20 | Boron acquisition in Brassica napus 甘蓝型油菜中硼的吸收利用 | Sheliang WANG (汪社亮) |
| 14:20-14:40 | Iron deficiency in rice under drip irrigation on calcareous soil: Mechanism and regulation 石灰性土壤上滴灌水稻缺铁机质与调控 | Xinjiang ZHANG (张新疆)  |
| 14:40-15:00 | Status of micro-element nutrition of wheat grains in China中国小麦籽粒微量元素营养现状 | Mei SHI (石美) |
| 15:00-15:20 | Abscisic acid-mediated modifications of radial apoplastic transport pathway play a key role in Cd uptake in hyperaccumulator Sedum alfredii脱落酸介导的径向质外体转运途径的改变在超积累东南景天吸收Cd中起关键作用 | Qi TAO(陶琦) |
| 15:20-15:40 | Fertilizer-based remediation material: Mechanisms and applications基于肥料的修复材料：修复机理及应用 | Zhen LI (李真) |
| 15:40-16:00 | How to keep Chinese food system within the environmental limits如何保证中国的食品安全 | Yuanchao HU (胡元超) |
| 16:00-16:20 | Building up dryland soil carbon and nitrogen pools via cultivation of green manure crops种植绿肥作物提升旱地土壤碳氮库 | Dabin ZHANG (张达斌) | Mei SHI (石美) |
| 16:20-16:40 | The mechanism of mulching maize yield increase覆盖栽培提高玉米产量的机理研究 | Ziyan LI(李紫燕) |
| 16:40-17:00 | Mixture of controlled-release and normal urea to improve agronomic and environmental benefits for maize in Northeast China控释尿素与常规尿素混配改良东北玉米的农艺和环境效益 | Yin WANG (王寅) |
| 17:00-17:20 | Nitrogen, phosphorus and potassium demand of spring wheat and potential of reducing fertilizer application in Ningxia宁夏引黄灌区春小麦氮磷钾需求及化肥减施潜力 | Xi’na WANG (王西娜) |
| 17:20-17:40 | Booting stage is the key timing for late nitrogen application in improving grain yield and quality of wheat孕穗期施氮肥提高小麦产量和品质 | Cheng XUE (薛澄) |
| 17:40-18:00 | The regulation of tillage practice and nitrogen rate for improving soil quality and wheat yield in Shandong耕作模式与施氮量对山东土壤质量和冬小麦产量的调控效应 | Yong LI (李勇) |
| 18:00-18:20 | Summary for the Special SymposiumClosing ceremony 闭幕式 | Jianwei LU (鲁剑巍) | Zhaohui WANG(王朝辉) |