



中国地球科学促进会
International Professionals for the
Advancement of Chinese Earth Sciences



南方科技大学
SOUTHERN UNIVERSITY OF SCIENCE AND TECHNOLOGY

地球系统科学

海洋大气、固体地球行星、生态环境 国际研讨会暨中国地球科学促进会 (IPACES) 2022年会

20-23 June · On site/ On line

线上：腾讯会议号：973-765-303

线下：南科大中心4楼圆形会议厅



直播二维码

发起单位：中国地球科学促进会 (IPACES)
承办单位：南方科技大学 (SUSTech)



会议简介

中国地球科学促进会IPACES (International Professionals for the Advancement of Chinese Earth Sciences, <https://ipaces.org/>) 定于北京时间2022年6月20日至23日举办“地球系统科学—海洋大气、固体地球行星、生态环境国际研讨会暨中国地球科学促进会 (IPACES) 2022年会”。IPACES由海外华人地球科学家组成,旨在促进中国地球科学的发展和国际交流。自1999年创办以来,IPACES年会已成为海内外优秀华人地球科学家交流的重要平台,学科领域涵盖广泛,交叉特色突出。

6月20日的会议主题为“海洋大气”,6月21日的会议主题为“固体地球行星”,6月22日的会议主题为“生态环境”,由南方科技大学 (SUSTech) 承办。除了前三天的讨论会,将在6月23日举办“科学规划与写作”的特邀报告,为青年地球科学家和学生提供学习机会。

由于新冠疫情,本次会议采用“主要线上加少数线下”的方式,线上用腾讯平台,线下在南方科技大学会议中心圆形会议厅(4楼)同时举行,会议不收取注册费。会议采用“特邀报告+科学规划与写作研讨”的形式。



参会方式

线上: 扫描左侧二维码观看直播

线下: 南科大中心4楼 圆形会议厅

日程表

周一, June 20, 2022 (会议主题: 海洋大气)

主持人: 林间、李莹

08:20-08:30	IPACES2022年会开幕致辞	
08:30-08:50	李家彪 , 自然资源部第二海洋研究所 LI Jiabiao , Second Institute of Oceanography, Ministry of Naturel Resources	我国首次北极冰下海底探测的挑战与进展 Challenges and progress on the China first seafloor exploration under Arctic ice cover
08:50-09:10	林间 , 南方科技大学/伍兹霍尔海洋研究所 LIN Jian , Southern University of Science and Technology/Woods Hole Oceanographic Institution	西太平洋-印度洋-南海板块作用与海底过程 Plate interactions and seafloor processes of western Pacific Ocean, Indian Ocean, and South China Sea
09:10-09:30	谢尚平 , 加州大学圣地亚哥分校 斯克利普斯海洋研究所 XIE Shangping , Scripps Institution of Oceanography, UC San Diego	印太暖池区域海气耦合模态对东亚夏季风的影响 Summer monsoon variability and predictability: The rise of the Indo-Pacific Warm Pool
09:30-09:50	魏萌 , 罗德岛大学 WEI Meng , University of Rhode Island	海底精密测地学的近期进展 Recent advances in seafloor geodesy
09:50-10:00	茶歇	
10:00-10:20	范可 , 中山大学 FAN Ke , Sun Yat-sen University	北极海冰对东亚气候的影响及预测价值 Impacts of Arctic sea ice on East Asia climate and climate prediction
10:20-10:40	杨阳 , 中国科学院广州地球化学研究所 YANG yang , Guangzhou Institute of Geochemistry, CAS	软流圈地幔中水的分布及其成因 Heterogeneous distribution of water in the asthenospheric mantle
10:40-11:00	李莹 , 南方科技大学 LI Ying , Southern University of Science and Technology	海洋卤素排放对东亚大气氧化性的影响 The impacts of marine-emitted halogens on atmospheric oxidation in East Asia
11:00-12:00	讨论	



日程表

周二、June 21, 2022 (会议主题: **固体地球行星**)

主持人: 彭志刚、刘丽军

08:30-08:50	宋晓东 北京大学 SONG Xiaodong , Peking University	地核运动与核幔耦合 Inner core motion and core-mantle coupling
08:50-09:10	朱露培 圣路易斯大学 ZHU Lupei , Saint Louis University	矿物高温高压实验中声发射事件之地震学研究 Application of advanced seismological methods to acoustic emission events in high-pressure and high-temperature deformation experiments
09:10-09:30	葛社民 科罗拉多大学 GE Shemin , University of Colorado	能源发展活动诱发地震机理 Induced seismicity during geoenery development, a hydromechanical perspective
09:30-09:50	郑应才 休斯敦大学 ZHENG Yingcai , The University of Houston	Episodic magma hammers in the recent cataclysmic eruption of Hunga Tonga-Hunga Ha'apai
09:50-10:00	茶歇	
10:00-10:20	钟时杰 科罗拉多大学 ZHONG Shijie , University of Colorado	模拟冰后回弹和海平面的变化: 新计算工具和新认识 Modeling sea level change and glacial isostatic adjustment: new computational techniques and new insights
10:20-10:40	尹安 加州大学洛杉矶分校 YIN An , University of California, Los Angeles	早期火星气候史 Early mars climate history
10:40-11:00	丁恣 澳门科技大学 DING Min , Macau University of Science and Technology	月球演化早期的内外动力学相互作用 Early impacts and thermo-chemo-mechanical evolution of the moon
11:00-12:00	讨论	

周三、June 22, 2022 (会议主题: **生态环境**)

主持人: 郑焰、张传伦

08:30-08:50	王俊坚 南方科技大学 WANG Junjian , Southern University of Science and Technology	连接自然和工程系统的介质: 溶解有机质 Medium connecting natural and engineered systems: dissolved organic matter
08:50-09:10	夏星辉 北京师范大学 XIA Xinghui , Beijing Normal University	河流碳氮转化和温室气体排放 Carbon and nitrogen cycling and greenhouse gas emission in fluvial networks
09:10-09:30	冯新斌 中国科学院地球化学研究所 FENG Xinbin , Institute of Geochemistry, CAS	森林生态系统是全球大气重要汞汇 Forest ecosystem is an important Hg sink
09:30-09:50	朱永官 中国科学院城市环境研究所 ZHU Yongguan , Institute of Urban Environment, CAS	生态系统中的抗生素耐药性污染 Antimicrobial resistance in the ecosystem
09:50-10:00	茶歇	
10:00-10:20	蔡卫君 特拉华大学 CAI Weijun , University of Delaware	人为CO ₂ 在美东近岸海洋水体中的积累 Accumulation of anthropogenic CO ₂ in U.S. eastern coastal ocean waters
10:20-10:40	张劲 富山大学 ZHANG Jing , University of Toyama	全球变暖对陆海营养物质传输的影响 The impact of global warming on water and nutrient transport from land to the coastal ocean
10:40-11:00	戴民汉 厦门大学 DAI Minhan , Xiamen University	海洋“荒漠”: 从固氮到基于海洋的CO ₂ 移除措施 Ocean desert: from nitrogen fixation to possible marine carbon dioxide removal (CDR)
11:00-12:00	讨论	



日程表

周四、June 23, 2022 (会议主题: 科学规划与写作)

主持人: 彭志刚、刘丽军

08:30-09:15	刘勉 密苏里大学 LIU Mian , University of Missouri	如何写科学论文的引言和讨论 How to write Introduction and Discussion of scientific papers
09:15-10:00	颜备战 哥伦比亚大学 拉蒙特-多尔蒂地球观测站 YAN Beizhan , Lamont-Doherty Earth Observatory, Columbia University	如何去回应审稿人的意见 How to respond to reviewers' comments
10:00-10:10	茶歇	
10:10-10:55	王克林 加拿大地质调查局 WANG Kelin , Geological Survey of Canada	准确和逻辑性地阐述科学 Accurately and logically explaining science
11:00-12:00	Open Panel Discussions: How to write proposals?	
Moderator	彭志刚 佐治亚理工学院 PENG Zhigang , Georgia Institute of Technology	如何写基金申请书 How to write a proposal
Panelists	董海良 迈阿密大学 DONG Hailiang , Miami University	如何撰写有竞争力的基金申请书 How to write a competitive research proposal
Panelists	李红谊 中国地质大学 (北京) LI Hongyi , China University of Geosciences (Beijing)	撰写国家自然科学基金申请书的肤浅体会 Experience in writing the proposal of National Natural Science Fund
Panelists	王辰 南方科技大学 WANG Chen , Southern University of Science and Technology	我撰写基金申请书的经验 My experiences in proposal writing

主办单位



International Professionals for
the Advancement of Chinese
Earth Sciences



南方科技大学
SOUTHERN UNIVERSITY OF SCIENCE AND TECHNOLOGY

IPACES2022会议组委会成员

林间、彭志刚 (IPACES主席)、郑焰、刘丽军 (IPACES副主席)

张传伦、张铭 (IPACES上任主席)、颜备战 (IPACES财务长)

承办单位及联系人: 于玲 (yul@mail.sustech.edu.cn) 手机13936436032
李婷婷 (litt3@mail.sustech.edu.cn) 手机13728897190



报告人简介



李家彪
LI Jiabiao

Researcher/Professor, Second Institute of Oceanography, Ministry of Naturel Resources

特邀报告：我国首次北极冰下海底探测的挑战与进展 Challenges and progress on the China first seafloor exploration under Arctic ice cover

时间：08:30-08:50, 20 June

LI Jiabiao is the Director of the Second Institute of Oceanography, Ministry of Naturel Resources, and Zhejiang Academy of Marine Sciences, China. He has long been engaged in the researches of submarine geosciences and engineering, and heads a lot of Chinese National Science Programs which are focused on mid-ocean ridges, marginal seas, subduction zones and seabed mineral resources, and also led many cruises in the Western Pacific, Southwest India Ridge and even Arctic Gakkel Ridge. He is the author of more than 80 scientific publications, 6 books, received 2 National Science and Technology Awards.

He was a Co-chair of InterRidge (2013-2015), and a Member of the Site Characteristics Panel (2011-2013) and Science Evaluation Panel (2013-2016) of IODP. He is a founding chairman of ISO/TC8/SC13 Marine Technology (2014-), vice president of the Chinese Society for Oceanography and an Academician of Chinese Academy of Engineering.



林间
LIN Jian

Chair Professor, Southern University of Science and Technology

特邀报告：西太平洋-印度洋-南海板块作用与海底过程 Plate interactions and seafloor processes of western Pacific Ocean, Indian Ocean, and South China Sea

时间：08:50-09:10, 20 June

林间，国际顶尖海洋地球物理学家，南方科技大学讲席教授，深圳海洋大学筹建负责人，海洋大学深圳筹备办公室副主任、深圳市海洋发展规划专家顾问委员会成员。对全球海洋地球科学与地震学作出杰出贡献，历任国际一流的美国伍兹霍尔海洋研究所高级研究员、亨利-比奇洛杰出海洋学家讲座教授、麻省理工学院-伍兹霍尔海洋研究所研究生院教授，中国科学院南海海洋所特聘研究员、副所长等。

当选美国地球物理联合会 (AGU) 会士、美国科学促进会 (AAAS) 会士、美国地质学会 (GSA) 会士、国际大洋中脊地球与生命科学研究组织 (InterRidge) 主席等。成果入选2019年度中国十大海洋科技进展、2020年广东省自然科学一等奖、2021年度海洋科学技术奖特等奖（第一完成人）等。在国际顶级期刊Nature、Science等发表系列原创论文，其一论文在国际地震学领域十年引用率全球第一。

在地球大洋板块学与地震学领域作出突出贡献，其系统性的原创发现奠定了国际学界对地球大洋中脊三维结构的认识基础。领导、参与在印度洋、太平洋、大西洋的二十多个国际航次，任国际南海大洋钻探、“大洋一号”首次环球航次、中国-巴基斯坦首次联合航次等首席科学家，领导穿越地球“第四极”——马里亚纳海沟挑战者深渊的首次高精度地震实验，并对全球大地震触发机制理论作出突出贡献。



报告人简介



谢尚平
XIE Shangping

Professor of climate science. Scripps Institution of Oceanography, UC San Diego

特邀报告：印太暖池区域海气耦合模态对东亚夏季风的影响 Summer monsoon variability and predictability: The rise of the Indo-Pacific Warm Pool

时间：09:10-09:30, 20 June

Shang-Ping Xie is the distinguished professor of climate science and holder of the Roger Revelle Chair at Scripps Institution of Oceanography, University of California San Diego, USA. He received BS from Ocean University of China and PhD from Tohoku University, Japan, both degrees in physical oceanography. He studies ocean-atmosphere interactions, climate variability and change. Dr. Xie is a Highly Cited Researcher on the Web of Science, an elected fellow of the American Geophysical Union and American Meteorological Society (AMS).



魏萌
WEI Meng

Associate Professor, University of Rhode Island

特邀报告：海底精密测地学的近期进展 Recent advances in seafloor geodesy

时间：09:30-09:50, 20 June

Meng (Matt) Wei is an associate professor of oceanography at the Graduate School of Oceanography in the University of Rhode Island, United States. Dr. Wei received his B. S. degree from Peking University in 2004 and Ph. D. degree from the Scripps Institution of Oceanography, University of California, San Diego. Prior to his current position, Dr. Wei was a post-doctoral researcher at the Woods Hole Oceanography Institute between 2011-2013. Dr. Wei received a CAREER award from the National Science Foundation in 2017.

报告人简介



范可
FAN Ke

教授, 中山大学

特邀报告: 北极海冰对东亚气候的影响及预测价值

Impacts of Arctic sea ice on East Asia climate and climate prediction

时间: 10:00-10:20, 20 June

范可: 中山大学教授(二级)(2021.2-), 学科带头人、国家杰出青年基金获得者(2013)、国家高层次人才计划获得者。从事气候动力学和气候预测研究, 主要围绕季风、旱涝、台风、沙尘、植被等、极端气候事件、气候预测理论、方法、建模等开展研究, 在国内外学术期刊发表论文100余篇。曾荣获国家自然科学二等奖(第二完成人)(2014)、“庆祝中华人民共和国成立70周年”纪念章(2019)、全国优秀科技工作者(2016)、第十一届中国青年科技奖(2009)、中国科学院优秀导师(2012)、国务院政府特殊津贴(2020)等。先后主持国家杰出青年科学基金、科技部创新人才项目、国家重点基金、创新群体(骨干)、国家政府间国际合作项目等。已培养的研究生荣获国家优秀青年科学基金、上海市“科技创新行动计划”、中科院院长特别奖、中科院院长优秀奖、中科院朱李月华优秀博士生、北京市优秀毕业生、四川省优秀毕业生、中科院大气物理研究所优秀博士论文、国家奖学金等。

报告人简介



杨阳
YANG yang

Assistant Professor Guangzhou Institute of Geochemistry, CAS

特邀报告: 软流圈地幔中水的分布及其成因

Heterogeneous distribution of water in the asthenospheric mantle

时间: 10:20-10:40, 20 June

Alexandra Yang Yang is an Associate Professor in the State Key Laboratory of Isotope Geochemistry, Chinese Academy of Sciences (CAS). She received her B.S. degree from Lanzhou University in 2007, and Ph.D. degree from CAS in 2013. Prior to her current position, she was a post-doctoral researcher at the Cardiff University in 2014-2015. She was a visiting scholar in Harvard University in 2019. Her research interests focus on the mantle-derived volcanics globally to study the chemical compositions and evolution of the mantle, as well as the deep Earth water and oxygen cycles triggered by plate tectonics and their influence on the habitability of the Earth.

报告人简介



李莹
LI Ying

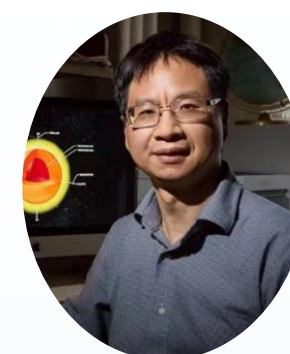
Assistant Professor, Southern University of Science and Technology

特邀报告：海洋卤素排放对东亚大气氧化性的影响

The impacts of marine-emitted halogens on atmospheric oxidation in East Asia

时间： 10:40-11:00, 20 June

Assistant professor. Hong Kong University of science and technology Ph.D. Director of the Oceanic and Atmospheric Science Center at Sustech (COAST), member of the atmospheric physics and atmospheric environment professional committee of Guangdong Meteorological Society, and expert of Shenzhen Air Pollution Emergency Consultant Committee. Main research interests include air pollution, remote sensing of environment, air-sea interaction on atmospheric environment and climate. She has published more than 50 papers in authoritative academic journals such as Lancet, RSE, EST, ACP, JGR, etc., with a total of more than 1600 citations (G-S), and H-index 20. She is Peacock plan level C talents and Nanshan pilot talents. She hosts several national and provincial levels grants. Core member of Shenzhen peacock team. Excellent Mentor Awards 2018-2021; Science popularization Ambassador of University 2019-2021.



宋晓东
SONG Xiaodong

Chair Professor, Peking University

特邀报告：地核运动与核幔耦合

Title: Inner core motion and core-mantle coupling

时间： 08:30-08:50, 21 June

Xiaodong Song is currently a Chair Professor at Peking University. He received his B.S. degree from the University of Science and Technology of China and Ph.D. degree from California Institute of Technology and worked at Columbia University as a postdoc and researcher and the University of Illinois at Urbana-Champaign as a faculty. His research focuses on seismology, deep internal structure and dynamics of the Earth, deep structure and regional tectonics in East Asia, and seismic hazards. He currently serves as the Editor-in-Chief of Earthquake Science and the Associate Editor of Earth and Planetary Physics.



报告人简介



朱露培
ZHU Lupei

Professor, Saint Louis University

特邀报告：矿物高温高压实验中声发射事件之地震学研究 Application of advanced seismological methods to acoustic emission events in high-pressure and high-temperature deformation experiments.

时间： 08:50-09:10, 21 June

Dr. Lupei Zhu is currently a full professor at Department of Earth & Atmospheric Sciences of Saint Louis University. He earned a BS degree from University of Science and Technology of China in 1985, an MS degree in geophysics at Institute of Geophysics, State Seismological Bureau of China in 1988, and a PhD from California Institute of Technology in 1998. He worked as a postdoctoral researcher at Southern California Earthquake Center in University of Southern California before joining Saint Louis University faculty in 2001. His research focuses on body-wave seismology, lithospheric structure, earthquake source, and plate tectonics. He has been an editor of Pure and Applied Geophysics since 2006.

报告人简介



葛社民
GE Shemin

Professor, University of Colorado

特邀报告：能源发展活动诱发地震机理

Induced Seismicity during Geoenergy Development, a Hydromechanical Perspective

时间： 09:10-09:30, 21 June

Shemin Ge is a professor and former chair of the Department of Geological Sciences at University of Colorado Boulder, Colorado, USA. Her research involves studying groundwater mechanics in the Earth's crust as well as how climate change affects water resources. She was the recipient of the 2018 Meinzer Award and the 2016 Birdsall-Dreiss Distinguished Lectureship of the Geological Society of America. She was a US Fulbright Scholar awardee in 2019-2020. Dr. Ge has served the broader earth science community in various capacities, including chairing the Hydrogeology Program Planning Group for the Ocean Drilling Program, being a program director for the US National Science Foundation's Hydrologic Sciences Program, and serving on the US National Research Council Committee on "A Vision for NSF Earth Sciences 2020-2030: Earth in Time". Dr. Ge received her Ph.D. from the Johns Hopkins University, M.S. from the University of British Columbia, and B.S. from the Wuhan University of Technology.

报告人简介



郑应才
ZHENG Yingcai

Robert and Margaret Sheriff Associate Professor in Applied Geophysics, Director of the Rock Physics Lab, at the University of Houston.

特邀报告: Episodic Magma Hammers in the Recent Cataclysmic Eruption of Hunga Tonga-Hunga Ha'apai

时间: 09:30-09:50, 21 June

ZHENG Yingcai got his Ph.D. in 2007 from the University of California Santa Cruz, and his B.S. degree in 2001 from Peking University. He was a postdoc and Research Scientist at the Massachusetts Institute of Technology before coming to UH in 2014. Dr. Zheng has published more than 60 peer-reviewed scientific and technical articles in a wide range of journals including Science and Nature publishing groups. He holds two patents in seismic technologies. In recognition of his exceptional research contributions to the science and technology of exploration geophysics, he won the 2015 J. Clarence Karcher Award from the Society of Exploration Geophysicists. In 2021, he was one of the six faculty members given the Excellence in Research, Scholarship, and Creative Activity Award from UH Provost. He served on various review panels of many federal funding agencies in different countries and journal editorial boards. He has been a Managing Editor of the SEG Books, an Advisor to SEG Evolve Program, an Advisor to the University of Houston Chancellor Technology Bridge Fund, and SEG Medical Application Task Force, etc.



钟时杰
ZHONG Shijie

Professor Department of Physics University of Colorado

特邀报告: 模拟冰后回弹和海平面的变化: 新计算工具和新认识
Modeling sea level change and glacial isostatic adjustment: New computational techniques and new insights.

时间: 10:00-10:20, 21 June

ZHONG Shijie received his B.S. degree in Geophysics from University of Science and Technology of China in 1985, and M.S. degree in Geophysics from Institute of Geophysics of Chinese Academy of Sciences in 1988. He worked at Institute of Geophysics briefly before going to University of Michigan for graduate studies in 1990. He received his Ph.D. in Geophysics and Scientific Computing in 1994. He was a post-doctoral scholar at Seismo Lab of Caltech from 1994 to 1997, and then a research scientist at MIT from 1997 to 2000. In 2000, he joined the faculty at University of Colorado at Boulder and became a full professor in 2010.



报告人简介



尹安
YIN An

Professor, Department of Earth, Planetary, and Space Sciences,
University of California, Los Angeles

特邀报告：早期火星气候史 Early Mars Climate History

时间：10:20-10:40, 21 June

美国加州大学洛杉矶分校地球与空间科学系教授，国际著名构造地质学家，GSA Fellow，AGU Fellow。现担任 Earth and Planetary Science Letters 杂志主编，Geological Society of America Bulletin 杂志副主编。长期与各国科学家就造山带演化、岩石力学与地球动力学、构造地貌、行星大地构造、地震剖面解译以及地震地质等方面进行合作研究，成果主要发表于 Annual Review of Earth and Planetary Sciences、Geology、Science、Earth-Science Reviews、GSA Bulletin、Earth and Planetary Science Letters、Tectonics 等国际著名学术期刊。



丁恣
DING Min

Assistant Professor, Macau University of Science and Technology

特邀报告：月球演化早期的内外动力学相互作用

Early Impacts and Thermo-Chemo-Mechanical Evolution of the Moon

时间：10:40-11:00, 21 June

Min Ding, Assistant Professor at State Key Laboratory of Lunar and Planetary Sciences, Macau University of Science and Technology, since 2019. Received Bachelor's degree from University of Science and Technology of China in 2009; and graduated from Massachusetts Institute of Technology / Woods Hole Oceanographic Institution Joint Program in 2015. Then worked as Postdoc Associate at MIT and Peking University. As a planetary geophysicist, she is intrigued by the interaction between long-term tectonic evolution and short-term catastrophic processes on terrestrial planets (Moon, Mars, and Earth). By combining computational geodynamics with geodetic observations, her research focuses on thermo-mechanical evolution of the lithosphere and its response to various external and internal loading processes (e.g., impacts, volcanoes and earthquakes) on time scales from minutes to millions of years. Personal website: www.dingmin.ink.



报告人简介



王俊坚
WANG Junjian

Assistant Professor, Southern University of Science and Technology

特邀报告：连接自然和工程系统的介质：溶解有机质

Medium connecting natural and engineered systems: dissolved organic matter

时间：08:30-08:50, 22 June

Junjian Wang's research focuses on organic carbon biogeochemistry and environmental quality in the plant-soil-water continuum. He received the National Science Fund for Excellent Young Scholars of China and Young Scientist Awards by China Environmental Science Association and by Guangdong Society of Soil Sciences. He has published over 80 papers in leading journals. Junjian has served as an associate editor of the Journal of Environmental Quality and on the young editorial boards of the Critical Reviews in Environmental Science and Technology and Chinese Chemical Letters.



夏星辉
XIA Xinghui

Professor, School of Environment, Beijing Normal University

特邀报告：河流碳氮转化和温室气体排放

Carbon and nitrogen cycling and greenhouse gas emission in fluvial networks

时间：08:50-09:10, 22 June

Dr. Xinghui Xia is a professor in School of Environment, Beijing Normal University. Her research focuses on water environmental processes of organic pollutants, carbon and nitrogen, and greenhouse gases at a catchment scale. She has published more than 180 peer reviewed papers in international journals including Nature Geoscience, Nature Communications, PNAS, Environmental Science & Technology, Water Research. She serves as associate editors for Environmental Toxicology and Chemistry, Journal of Environmental Informatics, and BETC.



报告人简介



冯新斌
FENG Xinbin

Professor, Institute of Geochemistry, CAS
特邀报告：森林生态系统是全球大气重要汞汇
Forest ecosystem is an important Hg sink
时间：09:10-09:30, 22 June

Prof. Feng is the director in general of Institute of Geochemistry, CAS, and the president of China Association for Mineralogy, Petrology and Geochemistry. His research focuses on mercury biogeochemical cycling in the environment and its health impact, mercury stable isotope geochemistry and remediation of mercury contaminated lands. He has published more than 400 peer reviewed papers in international journals. He serves as associate editors for STOTEN, Journal of Geochemical Exploration, and Journal of Asian Earth Sciences.



朱永官
ZHU Yongguan

Professor, Institute of Urban Environment, CAS
特邀报告：生态系统中的抗生素耐药性污染
Antimicrobial resistance in the ecosystem
时间：09:30-09:50, 22 June

Prof. Zhu is the science director of Institute of Urban Environment, CAS, and also a professor at the Research Center for Eco-environmental Sciences, CAS. His research focuses on soil-plant-microbe interactions related to element biogeochemistry and antimicrobial resistance, the nexus of urbanization and human health. He has published more than 500 peer reviewed papers in international journals with over 40,000 citations and H-index of 105 in Web of Science. He serves/served as editor-in-chiefs and associate editors for a number of international journals.

报告人简介



蔡卫君
CAI Weijun

Chair Professor of Earth, Ocean and Environment, School of Marine Science and Policy, University of Delaware

特邀报告：人为CO₂ 在美东近岸海洋水体中的积累 Accumulation of anthropogenic CO₂ in U.S. eastern coastal ocean waters

时间：10:00-10:20, 22 June

Dr. Wei-Jun Cai is Mary A. S. Lighthipe Chair Professor of Earth, Ocean and Environment, School of Marine Science and Policy, University of Delaware. He studies air-sea exchange of CO₂, carbon cycle, and ocean acidification in coastal and the polar oceans. He is an author of 230 publications. Dr. Cai is a Fellow of the American Geophysical Union (AGU), American Association for the Advancement of Science (AAAS), Geochemical Society (GS) and European Association of Geochemistry (EAG), and the Association for the Sciences of Limnology and Oceanography (ASLO).



张劲
ZHANG Jing

Professor, University of Toyama

特邀报告：全球变暖对陆海营养物质传输的影响

The impact of global warming on water and nutrient transport from land to the coastal ocean

时间：10:20-10:40, 22 June

Jing Zhang is a sea going chemical oceanographer. She received a MSc and PhD from the University of Tokyo, and moved to University of Toyama in 1998 and has been a Professor since 2008. Her research seeks to clarify the origins of materials in the hydrosphere, transport and interaction between the marginal seas and the open ocean, and the links with global environment change. She received the Environmental Science Prize (The Oceanographic Society of Japan) in 2018 and the Oceanochemistry Award in 2020. Since 2015, Zhang has served the Scientific Committee on Oceanic Research as a vice president from 2018, co-chair of an Asian Marginal program (2021-2030) established by the IOC/ WESTPAC.

报告人简介



戴民汉
DAI Minhan

Academician of Chinese Academy of Sciences, Chair Professor of Xiamen University

特邀报告: 海洋“荒漠”: 从固氮到基于海洋的CO₂移除措施

Ocean desert: from nitrogen fixation to possible marine carbon dioxide removal (CDR)

时间: 10:40-11:00, 22 June

Minhan Dai's primary research interests include ocean biogeochemistry and sustainability. He led two China Coastal Carbon programs since 2009 in the framework of "973" programs, and is leading a NSFC major project "CARBON Fixation and Export in the oligotrophic ocean" (Carbon-FE). He has published over 200 papers in leading international journals. Minhan Dai has served on many national and international committees. He is a member of China Council for International Cooperation on Environment and Development (CCICED). He is currently co-chairing the international program: Surface Ocean and Low Atmosphere Study (SOLAS).



刘勉
LIU Mian

Curators' Distinguished Professor, University of Missouri

特邀报告: 如何写科学论文的引言和讨论 How to write Introduction and Discussion of scientific papers

时间: 08:30-09:15, 23 June

Dr. Mian Liu is the Chair and E.B. Branson Professor of the Department of Geological Sciences, University of Missouri. He is a Curators' Distinguished Professor and the William H. Byler Distinguished Chair in Geological Sciences. He received his BSc degree in Geology from Nanjing University, MSc degree in Geology from McGill University, and PhD degree in Geophysics from the University of Arizona. His research is in the field of geodynamics, including continental tectonics and earthquake studies. His editorial services include Editor-in-Chief of Tectonophysics.

报告人简介



颜备战
YAN Beizhan

Lamont Associate Research Professor, Lamont-Doherty Earth Observatory, Columbia University

特邀报告：如何去回应审稿人的意见

How to respond to reviewers' comments

时间：09:15-10:00, 23 June

Dr. Beizhan Yan received his Ph.D. in Geology in 2004 from Rensselaer Polytechnic Institute (RPI), Troy, NY and currently he is a Lamont Associate Research Professor at Lamont-Doherty Earth Observatory (LDEO) of Columbia University. His Ph.D. study at RPI (2000-2004) focused on the source apportionment of polycyclic aromatic hydrocarbons (PAHs) in urban waters. He initially developed a systematic approach to differentiate major PAH sources by using molecular isomer ratios and compound-specific carbon stable isotope ratios as source indicators. After two years of postdoc in Idaho National Laboratory, he joined Washington University in St. Louis to study nanoscale size effects on biogeochemical processes for environmental bioremediation. This research has important implications for the immobilization of uranium and biodegradation of aromatic compounds at contaminated sites. In 2007, he joined LDEO and since then, he has established an Environmental Organic Geochemistry Lab from scratch with ability to extract, isolate, and identify organic contaminants and biomarkers from environmental and biological samples. Using source-sensitive indicators and compound-specific stable isotope ratios, he has successfully traced metals and aromatic hydrocarbons in the waters and air of NYC and linked the exposures of these air pollutants to pediatric asthma outcomes. He is also leading a collaborative study in source apportionment analyses funded by Health Effect Institute to quantify the causal pathway linking regulations, emissions, ambient air pollution, and mortality in China between 2008 and 2019.

报告人简介



王克林
WANG Kelin

Research Scientist, Pacific Geoscience Centre, Geological Survey of Canada

特邀报告：准确和逻辑性地阐述科学； Accurately and logically explaining science

时间：10:10-10:55, 23 June

Kelin Wang is a senior Research Scientist with the Geological Survey of Canada and an Adjunct and Honorary Professor at the University of Victoria. Most of his current research is on geodynamics of subduction zones and related earthquake and tsunami hazards, but he has also worked on a range of other topics regarding the thermal, mechanical, and hydrogeological processes of Earth's lithosphere. He is a Fellow of the American Geophysical Union (AGU), 2015 AGU Birch Lecturer, and recipient of the J. Tuzo Wilson Medal of the Canadian Geophysical Union. He served on several editorial boards, including being an Associate Editor for the Journal of Geophysical Research and Co-Editor-in-Chief for Tectonophysics. He was formerly the Secretary of the Canadian Geophysical Union and was the Chair of International Professionals for the Advancement of Chinese Earth Sciences (IPACES) in 2005–2006.

报告人简介



彭志刚
PENG Zhigang

Professor, Georgia Institute of Technology

特邀报告：如何写基金申请书 How to write a proposal

时间：11:00-12:00 23 June

Dr. Zhigang Peng is a professor of geophysics in the School of Earth and Atmospheric Sciences at Georgia Institute of Technology. His research mainly focuses on high-resolution fault zone structures, temporal changes of earth's properties, earthquake triggering, slow earthquakes, induced earthquakes, and machine learning. He was an associate editor for Journal of Geophysical Research and Bulletin of Seismological Society of America from 2011 to 2013, and the editor-in-chief for Seismological Research Letters from 2013 to 2019. He is currently serving as the Board of Directors for the Seismological Society of America (SSA), and the chair of the International Professionals for Advancement of Chinese Earth Sciences (IPACES). In 2010 he received the NSF CAREER award and the Charles Richter Award from the Seismological Society of America (SSA). He received SSA's Distinguished Service Award in 2020.



董海良
DONG Hailiang

Professor, Miami University

特邀报告：如何撰写有竞争力的基金申请书, How to write a competitive research proposal

时间：11:00-12:00 23 June

a professor of Geomicrobiology, Geochemistry, and Mineralogy. The overall objective of his research program is to understand how and why microorganisms and geological media (rocks, minerals, water) interact and how to study their mutual interactions to understand a range of biogeochemical processes on Earth and beyond. Dong's research is focused on four broad areas: 1) Mineral-mineral interactions; 2) Remediation of heavy metals and radionuclides as well as organic compounds such as TCE, 1,4-dioxane, and PFASs; 3) Microbial life in extreme environments such as deep subsurface, saline lakes, hot springs, and deserts; 4) Microbial response to global climate change. Dong employs a number of geological, mineralogical, geochemical, and microbiological techniques to study these processes including microscopy, spectroscopy, aqueous geochemistry, lipid biogeochemistry, molecular microbiology and cultivation, and modeling.

Dong has published >300 papers and has an H-index of 66. He is a recipient of prestigious awards including 1) Marion L. and Chrystie M. Jackson Mid-Career Clay Scientist Award, 2008; 2) Miami University Distinguished Scholar, Senior faculty, 2007; 3) GSA Fellow; 4) NSF distinguished service award. He is co-Editor-in-Chief for Chemical Geology, Associate Editor for Geochimica et Cosmochimica Acta, mLife, Geomicrobiology Journal, and on editorial board for several other journals.

报告人简介



李红谊
LI Hongyi

Professor, School of Geophysics and Information Technology,
China University of Geosciences (Beijing)

特邀报告：撰写国家自然科学基金申请书的肤浅体会

Experience in writing the proposal of National Natural Science
Fund

时间：11:00-12:00 23 June

Dr. Li is a full professor at School of Geophysics and Information Technology, China University of Geosciences (Beijing). Dr. Li received her PhD in Geophysics at Saint Louis University, USA (2005). After postdoctoral research at National Institute of Geophysics and Volcanology, Rome, Italy, she joined China University of Geosciences (Beijing) in 2007. Dr. Li's research interests include fault zone structure, surface wave tomography, microearthquake detection and location, etc.



王辰
WANG Chen

Associate Professor, Southern University of Science and
Technology, School of Environment

特邀报告：My experiences in proposal writing

时间：11:00-12:00 23 June

Dr. Chen Wang is an Associate Professor at School of Environmental, Southern University of Science and Technology (SUSTech). Dr. Wang received her PhD in Environment Chemistry at University of Toronto (2016), MSc and BSc in Environmental Science from Peking University (2012) and Nankai University (2009). After postdoctoral research at University of Toronto, she joined SUSTech in 2021. Dr. Wang's research interests include atmospheric chemistry, indoor air quality, and the association between indoor and outdoor air pollution, etc. With both laboratory studies and field measurements, her research focuses on the behavior of pollutants, multiphase partitioning and chemical transformation, and the differences between indoor and outdoor atmospheric chemistry. She has published over 30 papers in top journals in environmental and atmospheric science, including Science Advances, Environmental Science & Technology, etc., and co-authored a book chapter, with a total citation count of over 1500, H-index 21 (2022 June). She was selected as MIT Civil and Environmental Engineering Rising Star in 2019 and as Atmospheric Chemistry Colloquium for Emerging Senior Scientists (ACCESS XIV) in 2017.