International Conference on Silk-roads Disaster Risk Reduction and Sustainable Development

各位专家大家好！

  由我国著名自然地理与水土保持学家、中国科学院崔鹏院士发起，中国科学院、中国科学技术协会、联合国环境署主办，中国科学院成都山地灾害与环境研究所、中国科学院地理科学与资源研究所、中国水土保持学会、香港中文大学、国际数学地球科学协会（IAMG）、香港科技大学等多家研究机构协办，国际地质学会、国际地质工程和环境协会等多个组织资助的"丝绸之路灾害风险降低与可持续发展国际会议"将于 **2019 年 5 月 11 日-12 日**在北京国际会议中心召开。

  由 IAMG 现任主席 Jennifer McKinley 教授、中国科学院地理科学与资源研究所，资源与环境国家重点实验室葛咏研究员协同组织的"灾害监测与风险评估"专题（ Session 20 ： Disaster Monitoring and Risk Assessment, http://www.sidrr.com/portal/article/index/id/47.html）届时将吸引众多国内外相关领域专家、学者汇聚北京，从不同的视点或角度进行广泛而深入的学术交流。专题组织者现向您发出诚挚的邀请，期盼您拨冗莅临，带来宝贵的经验和观点，以推进相关理论、技术的发展与创新。大会相关信息请参考：http://www.sidrr.com/

  我们欢迎您向本专题提交摘要，摘要提交截止日期为 **2019 年 3 月 20** 日。您将在 **2019 年 4 月 1 日**之前收到摘要接受确认函。摘要提交请参考以下网址：

http://www.sidrr.com/submission.html

再次感谢您会议的支持，我们期待与您相见于春天的北京。

Jennifer McKinley 教授，IAMG 主席
葛咏 研究员，中国科学院地理科学与资源研究所
     资源与环境信息系统国家重点实验室

International Conference on Silk-roads Disaster Risk Reduction and Sustainable Development

To whom it may concern:

As the session organizers of the forthcoming international conference on Silk-roads Disaster Risk Reduction and Sustainable Development (SiDRR) (http://www.sidrr.com/) to be held in Beijing, China, 11-12 May 2019, we cordially invite you to participate in this event.

The conference was initiated by renowned Chinese geographer and academician of the Chinese Academy of Sciences Cui, Peng, hosted by Chinese Academy of Sciences (CAS), China Association for Science and Technology, United Nations of Environment Programme (UNEP), and jointly organized and supported by multiple research institutes, for example, International Geographical Union (IGU), International Water Resources Association (IWRA), etc.

The session jointly organized by International Association for Mathematical Geosciences (IAMG) and the Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences (CAS) is temporarily arranged on 11 May, the theme of which is "Disaster monitoring and risk assessment". All contributions related to methods, theory, models, strategies, etc. are sincerely welcome.

Detailed information about our session can be found in:
http://www.sidrr.com/portal/article/index/id/47.html;

If you are willing to join the conference, please note the deadline to submit abstracts to our session is 20 March, 2019. A confirmation letter of abstract acceptance will be sent to you before 1 April. Please use the following URL to submit your abstracts:
http://www.sidrr.com/submission.html

Thank you again for your continued supports to IAMG and CAS. We are looking forward to seeing you all in Beijing.

Sincerely,

Jennifer McKinley, IAMG
Yong Ge, CAS

Session 20

Workshop	**Disaster Monitoring and Risk Assessment**
Undertaken	International Association for Mathematical Geosciences (IAMG) State Key Laboratory of Resources & Environmental Information System
Conveners	Jennifer McKinley Yong Ge
Description	Monitoring, forecasting and preventing disasters are main topics of risk reduction and sustainable social development, because natural disasters always occur suddenly. Disaster monitoring requires integration of geology, geodesy, physics, as well as computer science. Deep insights into the formation mechanics and inducing factors of geo-disasters can help with continuous improvement and innovation of monitoring theories and equipment. Nowadays, high-tech means such as remote sensing, satellite positioning, and geographic information systems have been increasingly involved into disaster monitoring. Benefited from these techniques, the monitoring process along with subsequent disaster warning and assessment has become semi-quantitative – quantitative. Besides, the research on risk evaluation is also notably improved. It aims at reducing the loss of life and properties by preventing, avoiding, controlling and managing disasters. The study contents of disaster assessment are diversified. A comprehensive frame of research work has been established with multiple disciplines and knowledge domains. Rapid development of artificial intelligence, nonlinear theories and GIS-based information models brings new challenges and prospects to disaster monitoring and risk assessment.
Topics	1. Methods and techniques for disaster recognition and monitoring. 2. Models for disaster analysis and assessment. 3. Strategies for risk acceptance, reduction and management. 4. Current status and demands for International cooperation of silk-road countries.
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