



国家天元数学西北中心
TIANYUAN MATHEMATICAL CENTER IN NORTHWEST CHINA



西北大学
NORTHWEST UNIVERSITY



西安工程大学
XI'AN POLYTECHNIC UNIVERSITY



西安石油大学
Xi'an Shiyou University

2020 年智能科学、模糊逻辑与软计算国际学术研讨会通知

为了交流非经典逻辑以及不确定性数学理论的最新研究成果，加强该领域的交流合作，给相关专家学者提供一个交流的学术平台，进一步推动智能科学、模糊逻辑与软计算交叉领域的研究和发展，由国家天元数学西北中心主办、由西北大学数学学院承办、西安工程大学理学院和西安石油大学理学院协办的“智能科学、模糊逻辑与软计算国际学术研讨会”定于 2020 年 10 月 16 日至 10 月 18 日在西安长征国际酒店通过线下线上相结合形式举行。

本次会议欢迎从事非经典逻辑以及不确定性数学理论研究的同行交流其最新学术思想和研究成果。会议主题主要集中在以下几个方面（不限于这些主题）：(1) **非经典逻辑**（包括多值逻辑、模糊逻辑、高阶模糊逻辑、可代数化逻辑、子结构逻辑以及逻辑代数等）；(2) **不确定性数学理论**（包括态理论、三角模与模糊蕴涵、模糊拓扑、模糊 Domain 及模糊分析等）；(3) **人工智能基础的数学理论及应用**（包括模糊集、粗糙集、软集、软计算、粒计算及形式概念分析等）。

一、重要时间节点

- 1、**会议时间**：2020 年 10 月 16 日—10 月 18 日。
- 2、**报到地点**：陕西省西安市高新区西部大道 1 号西安长征国际酒店。
- 3、**会议食宿**：会议食宿由大会统一安排。
- 4、**会议注册费**：本次会议不收会议费。

5、参会方式

腾讯 ID：194 339 548 密码：123456

会议直播链接

国内：<https://meeting.tencent.com/s/t7RNuyo2UD7n>

国外：<https://voovmeeting.com/>



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二、会议组织机构

Scientific Committee Chairman: Bin Zhao, Xi'an Jiaotong University, China

Scientific Committee Members:

Rajab Ali Borzooei, Shahid Beheshti University, Iran

Degang Chen, North China Electric Power University, China

Minghao Chen, Dalian University of Technology, China

Jinming Fang, Ocean University of China, China

Wei He, Nanjing Normal University, China

Baoqing Hu, Wuhan University, China

Young Bae Jun, Gyeongsang National University, Korea

Antonio Ledda, Università di Cagliari, Italy

Jinjin Li, Minnan Normal University, China

Qingguo Li, Hunan University, China

Shenggang Li, Shaanxi Normal University, China

Yongming Li, Shaanxi Normal University, China

Zhaowen Li, Yulin Normal University, China

Huawen Liu, Shandong University, China

Minxia Luo, China Jiliang University, China

Jusheng Mi, Hebei Normal University, China

Zhenghua Pan, Jiangnan University, China

Feng Qin, Jiangxi Normal University, China

Keyun Qin, Southwest Jiaotong University, China

Fugui Shi, Beijing Institute of Technology, China

Constantine Tsinakakis, Vanderbilt University, USA

Xueping Wang, Sichuan Normal University, China

Ling Wei, Northwest University, China

Yichuan Yang, Beihang University, China

Zhongqiang Yang, Shantou University, China

Jianming Zhan, Hubei Minzu University, China

Dexue Zhang, Sichuan University, China

Xiaohong Zhang, Shaanxi University of Science and Technology, China

Hongjun Zhou, Shaanxi Normal University, China

Madad Khan, COMSATS University Islamabad, Abbottabad Campus, Pakistan



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Organization Committee Chairman: Xiao Long Xin, Northwest University, China

Organization Committee Members:

Feng Feng, Xi'an University of Posts & Telecommunications, China
Banghe Han, Xidian University, China
Shengwei Han, Shaanxi Normal University, China
Pengfei He, Shaanxi Normal University, China
Wei Ji, Guilin University of Technology, China
Michiro Kondo, Tokyo Denki University, Japan
Jinhai Li, Kunming University of Science and Technology, China
Lianzhen Liu, Jiangnan University, China
Yingcang Ma, Xi'an Polytechnic University, China
Biaolong Meng, Xi'an University of Science and Technology, China
Xiaodong Pan, Southwest Jiaotong University, China
Bin Pang, Beijing Institute of Technology, China
Adam Přenosil, Vanderbilt University, USA
Junsheng Qiao, Northwest Normal University, China
Dong Qiu, Chongqing University of Posts and Telecommunications, China
Yanhong She, Xi'an Shiyou University, China
Yong Su, Jiangnan University, China
Juntao Wang, Xi'an Shiyou University, China
Kaiyun Wang, Shaanxi Normal University, China
Wei Wang, Xi'an Shiyou University, China
Zhudeng Wang, Yancheng Teachers University, China
Yongjian Xie, Shaanxi Normal University, China
Hailong Yang, Shaanxi Normal University, China
Jiang Yang, Shaanxi University of Science and Technology, China
Yongwei Yang, Anyang Normal University, China
Wei Yao, Nanjing University of Information Science and Technology, China
Yueli Yue, Ocean University of China, China
Xiaofei Yang, Xi'an Polytechnic University, China
Hongying Zhang, Xi'an Jiaotong University, China

三、会议日程



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October 16th			
Time	Item	Place	
8:30~21:00	Registration	Changzheng Hotel	
October 17th			
Time	Item	Place	Host
7:00~8:00	Breakfast	Changzheng Hotel	
8:30~8:50	Opening Ceremony 1. Welcome Address 2. Introduce Guests 3. Introduction to Conference Preparations	Changzheng Hotel Zoom	Prof. Xiaolong Xin, Northwest University
8:50~9:10	Group Photo	Changzheng Hotel	
9:10~9:50	Report 1: The Interplay of Algebra and Logic: Residuated Lattices and Substructural Logics Constantine Tsinakis Vanderbilt University	Changzheng Hotel Zoom	Prof. Fugui Shi, Beijing Institute of Technol ogy
9:50~10:30	Report 2: Continuous L-domains in Logical Form Qingguo Li Hunan University		
10:30~10:50	Tea Break	Changzheng Hotel	
10:50~11:30	Report 3: An Overview of Logical Algebras Rajab Ali Borzooei Shahid Beheshti University	Changzheng Hotel Zoom	Prof. Keyun Qin Southwest Jiaoton g Univers ity
11:30~12:10	Report 4: Fuzzy approximate regular languages and minimal deterministic fuzzy automata approximate-accepting them Yongming Li Shaanxi Normal University		
12:10~13:00	Lunch	Changzheng Hotel	



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13:00~14:00	Lunch Break	Changzheng Hotel	
14:00~14:40	Report 5: Topological Structure of Function Space in Fuzzy Mathematics and Dynamic System Zhongqiang Yang Shantou University	Changzheng Hotel Zoom	Prof. Xueping Wang, Sichuan Normal University
14:40~15:20	Report 6: Structure and Representation of Semimodules over Inclines Yichuan Yang Beihang University		
15:20~16:00	Report 7: Multi-folded N-closed ideals and N-filters in BCH-algebras Young Bae Jun Gyeongsang National University		
16:00~16:20	Tea Break	Changzheng Hotel	
16:20~17:00	Report 8: Q-residuated Lattices and Lattice Pseudoeffect Algebras Xiaohong Zhang Shaanxi University of Science and Technology	Changzheng Hotel Zoom	Prof. Ling Wei Northwest University
17:00~17:40	Report 9: Algebraic Analysis Of Demodalised Analytic Implication Antonio Ledda Università di Cagliari		
18:00	Dinner	Changzheng Hotel	
October 18th			
Time	Item	Place	Host
7:00~8:00	Breakfast	Changzheng Hotel	
8:20~9:00	Report 10: On The t-norms and Nullnorms on Bounded Lattices Huawen Liu Shandong University	Changzheng Hotel Zoom	Prof. Feng Qin, Jiangxi Normal



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9:00~9:40	<p>Report 11: K-generated Implications: Properties, Characterizations and Applications</p> <p>Hongjun Zhou Shaanxi Normal University</p>		University
9:40~10:20	<p>Report 12: Granular Structure of Fuzzy Rough Sets with Application to Attribute Reduction of Big Data</p> <p>Degang Chen North China Electric Power University</p>	<p>Changzheng Hotel Zoom</p>	<p>Prof. Feng Qin, Jiangxi Normal University</p>
10:20~10:40	Tea Break		Changzheng Hotel
10:40~11:20	<p>Report 13: Logics of n-filters</p> <p>Adam Přenosil Vanderbilt University</p>	<p>Changzheng Hotel Zoom</p>	<p>Prof. Yanhong She Xi'an Shiyou University</p>
11:20~12:00	<p>Report 14: On Ho-Zhao Problem</p> <p>Xiaoyong Xi Jiangsu Normal University</p>		
12:00~13:00	Lunch		Changzheng Hotel
13:00~14:00	Lunch Break		Changzheng Hotel
14:00~14:40	<p>Report 15: Metric-based fuzzy rough sets</p> <p>Wei Yao Nanjing University of Information Science and Technology</p>	<p>Changzheng Hotel Zoom</p>	<p>Prof. Jianming Zhan, Hubei Minzu University, China</p>
14:40~15:20	<p>Report 16: Cancellation Problem for The Tensor Product of Complete Lattices</p> <p>Shengwei Han Shaanxi Normal University</p>		
15:20~15:40	Tea Break		Changzheng Hotel
15:40~16:20	<p>Report 17: Multilattices on Typical Hesitant Fuzzy Sets</p> <p>Lianzhen Liu Jiangnan University</p>	<p>Changzheng Hotel Zoom</p>	<p>Prof. Dong Qiu</p>



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16:20~17:00	<p>Report 18: Deriving Priorities Based on Representable Uninorms from Fuzzy Preference Relations</p> <p>Zhengming Ma Linyi University</p>		Chongqing University of Posts and Telecommunications
17:00~18:00	<p>Report 19: Complex Cubic Sets with an Application in Signal Processing</p> <p>Madad Khan COMSATS, Abbottabad Campus</p>		
18:00~19:00	Dinner	Changzheng Hotel	

四、会议联系人

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五、国家天元数学西北中心二维码



国家天元数学西北中心

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西安石油大学

2020年10月12日