

AISC 2018 Program

September 16, 2018	
10:00-20:00	Reception and Registration
17:00-21:00	Buffet Dinner (Qing Cafe, Floor 2, Block 2)
September 17, 2018	
08:30-09:00	Opening
Session 1 (Chair: Jacques Fleuriot)	
09:00-10:00	<u>Invited Keynote Talk: Automated Reasoning in the Age of the Internet</u> <i>Alan Bundy</i>
10:00-10:30	Tea Break
10:30-11:30	<u>Invited Tutorial Talk</u> <i>Ilias S. Kotsireas</i>
11:30-12:00	Into the Infinite - Theory Exploration for Coinduction <i>Sólrun Halla Einarsdóttir, Moa Johansson and Johannes Åman Pohjola</i>
12:00-12:30	What Does Qualitative Spatial Knowledge Tell About Origami Geometric Folds? <i>Fadoua Ghourabi and Kazuko Takahashi</i>
12:30-13:30	Buffet Lunch (Qing Cafe, Floor 2, Block 2)
Session 2 (Chair: Alan Bundy)	
14:00-15:00	<u>Invited Track Talk: Automating Formalization using Statistical and Neural Approaches</u> <i>Cezary Kaliszyk</i>
15:00-15:30	A Formal Proof of the Computation of Hermite Normal Form in a General Setting <i>Jose Divasón and Jesús Aransay</i>
15:30-16:00	The Accessibility of Mathematical Formulas for the Visually Impaired in China <i>Wei Su, Chuan Cai and Jinzhao Wu</i>
16:00-16:30	Tea Break
Session 3 (Chair: Cezary Kaliszyk)	
16:30-17:00	Machine Learning for Automated Inductive Theorem Proving <i>Yaqing Jiang, Petros Papapanagiotou and Jacques Fleuriot</i>
17:00-17:30	Formalizing Some “Small” Finite Models of Projective Geometry in Coq <i>David Braun, Nicolas Magaud and Pascal Schreck</i>
17:30-18:00	FMUS2: An Efficient Algorithm to Compute Minimal Unsatisfiable Subsets <i>Shaofan Liu and Jie Luo</i>

18:00-18:30	Discovering Geometry Theorems in Regular Polygons <i>Zoltán Kovács</i>
18:30-21:00	Reception Dinner (TING XUAN, Floor 2, Block 1)

September 18, 2018

Session 1 (Chair: Dongming Wang)

08:30-09:30	<u>Invited Keynote Talk</u>: An Exploration to Non-NN Style Deep Learning <i>Zhi-Hua Zhou</i>
09:30-10:00	Tea Break
10:00-10:45	<u>Invited Track Talk</u>: Towards Intelligent Mathematical Documents <i>Xiaoyu Chen</i>
10:45-11:15	Automatic Deduction in an AI Geometry Book <i>Pedro Quaresma</i>
11:15-11:45	Towards an Automated Geometer <i>Francisco Botana, Zoltán Kovács and Tomás Recio</i>
11:45-13:30	Buffet Lunch (Qing Cafe, Floor 2, Block 2)

Session 2 (Chair: Chee K. Yap)

13:30-14:30	<u>Invited Tutorial Talk</u>: Methodologies of Symbolic Computation <i>James Davenport</i>
14:30-18:30	Excursion to the Humble Administration's Garden & Pingjiang Road
18:30-21:30	Banquet

September 19, 2018

Session 1 (Chair: James Davenport)

09:00-10:00	<u>Invited Keynote Talk</u>: FIND-PATH as a Paradigmatic Problem for AI and Symbolic Computation <i>Chee K. Yap</i>
10:00-10:30	Tea Break
10:30-11:00	Revealing Bistability in Neurological Disorder Models by Solving Parametric Polynomial Systems Geometrically <i>Changbo Chen and Wenyuan Wu</i>
11:00-11:30	Early Ending in Homotopy Path-Tracking for Real Roots <i>Yu Wang, Wenyuan Wu and Bican Xia</i>
11:30-12:00	Autocorrelation via Runs <i>Ilias S. Kotsireas and Jing Yang</i>
12:00-14:00	Lunch (TING XUAN, Floor 2, Block 1)

Session 2 (Chair: Fadoua Ghourabi)

14:00-14:30	Game-Theoretic Analysis on the Number of Participants in the Software Crowdsourcing Contest <i>Pengcheng Peng, Chenqi Mou and Wei-Tek Tsai</i>
14:30-15:00	Specialty-Aware Task Assignment in Spatial Crowdsourcing <i>Tianshu Song, Feng Zhu and Ke Xu</i>
15:00-15:30	A Chinese New Word Detection Approach Based on Independence Testing <i>Dongchen Jiang, Xiaoyu Chen and Xin Yang</i>
15:30-16:00	LAtext: A Linear Algebra Textbook System <i>Xiaoyu Chen, Haotian Shuai, Dongming Wang and Jing Yang</i>
16:00-16:30	Closing
17:00-21:00	Buffet Dinner (Qing Cafe, Floor 2, Block 2)