

	8-Jul	9-Jul	10-Jul
08:30-09:15	Breakfast	Breakfast	Breakfast
09:15-09:30	Opening		
09:30-10:30	Keynote 1: Robust Algorithms for Reliable Solid Modeling Marco Attene Chair: Ying He	Keynote 2: Shaping the Future of Design with Designers: Why is it important to collaborate with industry? Ye Wang Chair: Tsz Ho Kwok	Keynote 3: Reality-Oriented 3D Reconstruction and Shape Parsing Jianming Zheng Chair: Michael Barton
10:30-10:45	Short break	Short break	Short break
	Technical Session 1 - Chair: Jorg Peters	Technical Session 3 - Chair: Jianmin Zheng	Technical Session 5 - Chair: Weiwei Xu
10:45-11:15	Meta-Meshing and Triangulating Lattice Structures at a Large Scale - Yunzhu Gao, Guoyue Luo, Sifan Chen and Qiang Zou	MS-GIFT: Multi-Sided Geometry-Independent Field approximation approach for isogeometric analysis - Meng-Yun Wang, Ye Ji, Lin Lan and Chun-Gang Zhu	Collision-free Tool Motion Planning for 5-Axis CNC Machining with Toroidal Cutters - Juan Zaragoza Chichell, Alena Reckova, Michal Bizzarri and Michael Barton
11:15-11:45	Multi-Scale and Irregularly Distributed Circular Hole Feature Extraction Method for Engine Cylinder Point Clouds - Kaijun Zhang, Zikuan Li, Anyi Huang, Chenghan Pu and Jun Wang	Isogeometric Topology Optimization of Multi-patch Shell Structures - Qiong Pan, Xiaoya Zhai, Hongmei Kang, Xiaoxiao Du and Falai Chen	Isogeometric shape optimization of Reissner-Mindlin shell with analytical sensitivity and application to cellular sandwich structures - Xiaoxiao Du, Jiayi Li, Wei Wang and Gang Zhao
11:45-12:15	TPMS2STEP: error-controlled and C ² continuity-preserving translation of TPMS models to STEP files based on constrained-PIA - Yaonaiming Zhao, Guoyue Luo, Jiayu Wu, Sifan Chen and Qiang Zou	Simultaneous Boundary and Interior Parameterization of Planar Domains Via Deep Learning - Zheng Zhan, Wenping Wang and Falai Chen	Topology Optimization of Self-supporting Structures for Additive Manufacturing via Implicit B-spline Representations - Nan Zheng, Xiaoya Zhai, Jingchao Jiang and Falai Chen
12:15-14:00	Lunch	Lunch	Lunch
	Technical Session 2 - Chair: Yunbo Zhang	Technical Session 4 - Chair: Lucia Romani	Technical Session 6 - Chair: Stefanie Hahmann
14:00-14:30	Optimizing Heterogeneous Elastic Material Distributions on 3D Models - Haoxiang Li, Wenjing Zhang, Jianmin Zheng, Jun Zeng and Edward Dale Davis	Splines for fast-contracting polyhedral control nets - Erkan Gunpinar, Kestutis Karciauskas and Jorg E Peters	A Coupling Physics Model for Real-time 4D Simulation of Cardiac Electromechanics - Rui Chen, Jiahao Cui, Shuai Li and Aimin Hao
14:30-15:00	Diverse part synthesis for 3D shape creation - Yanran Guan and Oliver van Kaick	Simulating Thin Shells by Bicubic Hermite Elements - Xingyu Ni, Xuwen Chen, Cheng Yu, Bin Wang and Baoquan Chen	Robust and Accurate Feature Detection on Point Clouds - Liu Zheng, Renjie Chen and Ying He
15:00-15:30	Latent Diffusion Models for Structural Component Design - Ethan Herron, Jaydeep Rade, Anushrut Jignasu, Baskar Ganapathysubramanian, Aditya Balu, Soumik Sarkar and Adarsh Krishnamurthy	SMA Business Meeting	Best Paper Award + Closing
15:30-16:00	Interface-Based Search and Automatic Reassembly of CAD Models for Database Expansion and Model Reuse - Lucas Vergez, Arnaud Polette and Jean-Philippe Pernot		
16:00-18:00	Reception		
18:00-21:00		Banquet (Le Pois Penche)	