

DAY 3 - WEDNESDAY, 5th JULY 2023												
8:30-9:00	9:00-10:00	10:00-10:45	10:45-12:45		12:45-14:00	14:00-15:00	15:00-16:00		16:00-16:30	16:30-18:00		18:00-18:30
	Invited Speaker (San Salvatore)	Coffee Break (Chiostro DAD)	SGP	Room 0B	Lunch (Chiostro DAD)	Invited Speaker (Rooms 1A+1B)	SMI	Room 0B	Coffee Break (Chiostro DAD)	SGP	Room 0B	
			GD	Room 1A			GD (Session 1)	Room 1A		GD	Room 1A	
			SMI	Room 1B			GD (Session 2)	Room 1B		SPM	Room 1B	
			SPM	Room 5H			SPM	Room 5H		GMP	Room 5H	

DETAILED PROGRAM				
	ROOM 0B (ground floor)	ROOM 1A (first floor)	ROOM 1B (first floor)	ROOM 5H (near the poster location)
9:00-10:00	Jorg Peters, Surfaces: Modelling and Analysis (Session chair: Jiri Kosinka) (Room: San Salvatore)			
10:00-10:45	Coffee Break and Poster Session (Chiostro DAD)			
10:45-12:45	SGP: SHAPE CORRESPONDENCE (Session chair: Jing Ren) - Alessandro Raganato, Gabriella Pasi, <u>Simone Melzi</u> , <i>Attention And Positional Encoding Are (Almost) All You Need For Shape Matching</i> - <u>David Bensaid</u> , Noam Rotstein, Nelson Goldenstein, Ron Kimmel, <i>Partial Matching of Non rigid Shapes by Learning Piecewise Smooth Functions</i> - <u>Shir Rorberg</u> , Amir Vaxman, Mirela Ben-Chen, <i>BPM: Blended Piecewise Mobius Maps</i> - Gianmarco Cherchi, <u>Marco Livesu</u> , <i>VOLMAP: a Large Scale Benchmark for Volume Mappings to Simple Base Domains</i>	GD: INDUSTRIAL APPLICATIONS OF ROBUST GEOMETRY PROCESSING (Session chair: Dominik Mokriš) - <u>David Großmann</u> , <i>Geometric modelling in aircraft engine design</i> - <u>Charles Gueunet</u> , <i>Scales of Topology, from local to abstract views</i> - <u>Niloy Mitra</u> , <i>NeuroSymbolic Models for Geometry and Appearance</i> - <u>Daniel Sieger</u> , Daniel Faken, Matt Kamon, David Fried, <i>Efficient and Robust Virtual Fabrication for 3D Semiconductor Device Manufacturing</i>	SMI: CURVES AND SURFACES (Session chair: Gershon Elber) - <u>Felix Dellinger</u> , Xinye Li, Hui Wang, <i>Discrete Orthogonal Structures</i> - <u>Péter Salvi</u> , <u>Márton Vaitkus</u> , Tamás Várady, <i>Constrained modeling of multi-sided patches</i> - Kinga Kruppa, Roland Kunkli, <u>Miklós Hoffmann</u> , <i>A skinning technique for modeling artistic disk B-spline shapes</i> - <u>Takafumi Saito</u> , Norimasa Yoshida, <i>Curvature Monotonicity Evaluation Functions on Rational Bézier Curves</i>	SPM: LEARNING METHODS FOR MODELLING & MANUFACTURING (Session chair: Charlie Wang) - <u>Francesco Mezzadri</u> , Joshua Gasick, Xiaoping Qian, <i>A Framework for Physics-Informed Deep Learning Over Freeform Domains</i> - <u>Amir Mirzendehtdel</u> , Aaditya Chandrasekhar, Morad Behandish, Krishnan Suresh, <i>FRC-TOUNN: Topology Optimization of Continuous Fiber Reinforced Composites using Neural Network</i> - <u>Hezi Shi</u> , Luo Jiang, Jianmin Zheng, Jun Zeng, <i>Self-Parameterization Based Multi-Resolution Mesh Convolution Networks</i> - <u>George (Perry) Harabin</u> , Amir Mirzendehtdel, Morad Behandish, <i>Deep Neural Implicit Representation of Accessibility for Multi-Axis Manufacturing</i>
12:45-14:00	Lunch (Chiostro DAD)			
14:00-15:00	Xianfeng David Gu, Structured Mesh Generation (Session chair: Xiaohu Guo) (Room: 1A+1B)			
15:00-16:00	SMI: GEOMETRY & MATTER (Session chair: Chiara Eva Catalano) - Tolga Yildiz, <u>Ergun Akleman</u> , Matthew Ebert, Vinayak Krishnamurthy, <i>A Modular Approach for Creation of Any Bi-Axial Woven Structure</i> - Louis Pratt, Andrew Johnston, <u>Nico Pietroni</u> , <i>Bending the light: Next generation anamorphic sculptures</i>	GD: CONTRIBUTED TALKS (Session chair: Andrea Bressan) - <u>Alessandra Sestini</u> , <i>Features driven LR adaptive spline approximation of scattered data</i> - <u>Dominik Mokriš</u> , Bert Jüttler, <i>Using low-rank approximations of gridded data for spline surface fitting</i>	GD: CONTRIBUTED TALKS (Session chair: Esmeralda Mainar) - Alexandre Chemin, <u>Mattéo Couplet</u> , Jean-François Remacle, <i>Integrable frame fields for flexible quadrilateral meshing</i> - <u>Elena Scandurra</u> , Daniela Giorgi, Francesco Laccone, Luigi Malomo, Marco Callieri, Paolo Cignoni, <i>Computational design of fabricable geometric patterns</i>	SPM: SHAPE ANALYSIS & CLASSIFICATION (Session chair: Jianmin Zheng) - <u>Yann-Situ Gazull</u> , Aldo Gonzalez-Lorenzo, Alexandra Bac, <i>Computing Geometrical Measures of Topological Holes</i> - <u>Shanshan Yao</u> , Xiaohong Jia, <i>Topological Classification and Determination of Non-Degenerate Intersections of Two Dupin Cyclides</i>
16:00-16:30	Coffee Break and Poster Session (Chiostro DAD)			
16:30-18:00	SGP: REPRESENTATION & LEARNING (Session chair: Silvia Sellan) - <u>Thor Christiansen</u> , Jakob Andreas Bærentzen, Rasmus Paulsen, Morten Hannemose, <i>Neural Representation of Open Surfaces</i> - <u>Xiangyu Zhu</u> , Dong Du, Haibin Huang, Chongyang Ma, Xiaoguang Han, <i>3D Keypoint Estimation using Implicit Representation Learning</i> - <u>Simone Foti</u> , Bongjin Koo, Danail Stoyanov, Matthew J. Clarkson, <i>3D Generative Model Latent Disentanglement via Local Eigenprojection (CGF)</i>	GD: DEEP LEARNING FOR GEOMETRIC DESIGN (Session chair: Angelos Matzafllaris) - <u>Dennis Elbrächter</u> , <i>Rate-distortion optimal approximation with deep ReLU networks</i> - Carlotta Giannelli, <u>Sofia Imperatore</u> , Angelos Mantzafllaris, Felix Scholz, <i>Data driven adaptive spline fitting</i> - <u>Niloy Mitra</u> , <i>Enabling Sketch to CAD Design Workflows</i>	SPM: PATH PLANNING (Session chair: Gershon Elber) - <u>Marco Riboli</u> , Fabio Corradini, Marco Silvestri, Alessandra Aimi, <i>A New Framework for Joint Trajectory Planning Based on Time-Parameterized B-Splines</i> - <u>Kanika Rajain</u> , Michal Bizzarri, Miroslav Lávicka, Jiri Kosinka, Michael Barton, <i>Towards G¹-continuous multi-strip path-planning for 5-axis flank CNC machining of free-form surfaces using conical cutting tools</i> - <u>Guoyue Luo</u> , Qiang Zou, <i>A simple point-based iso-scallop tool path planning method for noisy point clouds with high robustness and controlled errors</i>	GMP: CURVE & SURFACE DESIGN & RECONSTRUCTION (Session chair: Konrad Polthier) - <u>Andriamahenina Ramanantoanina</u> , Kai Hormann, <i>Shape control tools for periodic Bézier curves</i> - <u>Xunnian Yang</u> , <i>Point-normal subdivision curves and surfaces (CAGD)</i> - Bin Wang, <u>Dong Xiao</u> , Bailin Deng, Zuoqiang Shi, Siyu Li, <i>Point Normal Orientation and Surface Reconstruction by Incorporating Isovalue Constraints to Poisson Equation</i>
18:00-18:30	SGP: BEST PAPER AWARDS	- Dany Rios, <u>Felix Scholz</u> , Thomas Takacs, <i>Optimizing isogeometric discretizations using deep neural networks</i>		
20:30	Gala Dinner ("Il Marin" Restaurant at Eataly)			