	Day 1 - Monday July 7, 2025	
15:00 - 18:00	Registration* MB 9 [†]	
	Day 2 - Tuesday July 8, 2025	
8:00 - 8:20	Welcome and Opening Remarks MB 9 - Rooms C & D	
8:20 - 9:00	Plenary Talk: "From Jacob Rabinow to David Carlson and Beyond: A Walk Down the MR Fluid and Devices History Lane" Dr. Mehdi Ahmadian, Virginia Tech, United States MB 9 - Rooms C & D	
	Session 1 - MR Metamaterial MB 9 - Rooms C & D Chair: Dr. David Rancourt MB 9 - Rooms C & D	
9:00 - 9:20	Dynamic Response of Functionally Graded Graphene Origami-enabled Auxetic Metamaterial Sandwich Plates Embedded with GPLs-Reinforced MRE: Experimental, Modeling, and Finite Element Analysis Reza Aboutalebi, Amir Kabir University of Technology, Tehran, Iran Mehdi Eshaghi, Carleton University, Ottawa, Canada Ramin Sedaghati, Concordia University, Montreal, Canada	
9:20 - 9:40	Controllable Properties of the Representative Structure of Negative Stiffness Mechanical Metamaterials Filled with Magnetorheological Fluids <i>Fangping Yan, Qingchao Chen, Chengkai Gu, and Xuli Zhu, Shandong University of Science and Technology, Shandong, China Ya'nan Zhang, Henan University of Science and Technology, Luoyang, China</i>	
9:40 - 10:00	Coffee Break MB 9 - Lobby	
10:00 - 10:40	Plenary Talk: "Development of Magnetorheological Elastomer Isolators with Metamaterial Structures" Dr. Weihua Li, University of Wollongong, Australia Chair: Dr. Antonio J.F Bombard MB 9 - Rooms C & D	
	Session 2 - MR Technology I MB 9 - Rooms C & D Chair: Dr. Takehito Kikuchi MB 9 - Rooms C & D	
10:40 - 11:00	Jamming Transition in Magnetorheological Suspensions Made of Iron and Calcium Carbonate Particless Georges Bossis, and Olga Volkova, Université Côte d'Azur, Nice, France Yan Grasselli, SKEMA Business School, Sophia Antipolis, France	
11:00 - 11:20	Three-Dimensional Numerical Analysis of Thermal Flow of Temperature-Sensitive Magnetic Fluid around a Single Heated Cylinder Yuhiro Iwamoto, Ryugo Suzuki, and Yasushi Ido, Nagoya Institute of Technology, Nagoya, Japan	
11:20 - 11:40	Chain-to-layer Transition in sheared Magnetorheological Fluids Jose R Morillas, Óscar Martínez-Cano, and Juan de Vicente, University of Granada, Spain Jeffrey F. Morris, The City College of New York, United States	
11:40 - 12:00	Retrieving the Relevance of Packing Efficiency in MR fluids: Prof. Zinoviy P. Shulman team Eduardo O. Resek, Júlio G.F Manuel, and Antonio J.F Bombard, Universidade Federal de Itajubá, Itajubá, Brazil	

12:00 - 13:20	Lunch Break	IOC Meeting		
	MB 9 - Rooms A & B	MB 9 - Room F		
	Plenary Talk: "Multifunctional and Metamaterials for Warfighter Protection"			
13:20 - 14:00	Dr. Ken Loh, University of California San Diego, United	States		
	Chair: Dr. Jean-Sebastien Plante	WE 9 - ROOMS C & D		
	Chair: Dr. Yuhiro Iwamoto	MB 9 - Rooms C & D		
14:00 - 14:20	Optimized Material Behaviour of Magnetic Gels and Elastomers Lukas Fischer and Andreas M. Menzel, Otto von Guericke University Magdeburg, Magdeburg, Germany			
14:20 - 14:40	Evaluate the Influence of Particle Shape on Magnetorheological Elastomer using Large Amplitude Oscillatory Shear Test <i>Dipalkumar Patel,</i> and Ramesh V Upadhyay, Charotar University of Science and Technology (CHARUSAT), Gujarat, India			
	Advancing Magnetorheological Elastomers: Printability and Rheological Properties via Vat			
14:40 - 15:00	Mohd Aidy Faizal Johari , Saiful Amri Mazlan, Nur Azr of Technology Malaysia, Kuala Lumpur, Malaysia Michal Sedlacik, Tomas Bata University in Zlín, Zlín, Ca	nah Nordin, and Muhammad Hariz Zubir, University zech		
	Multifunctional Magnetic Graphene Oxide with Morphable Reconfiguration			
15:00 - 15:20	<i>Jun Cai</i> , Yiwen Chen, Alireza Seyedkanani, Marta Cerruti, and Hamid Akbarzadeh, McGill University, Montreal, Canada			
15:20 - 15:40	Morphological Characterizations of Magnetoactive Foams Incorporated with Different Composition of Magnetic Iron Particles Nur Azmah Nordin, Noor Sahirah Muhazeli, Saiful Amri Mazlan, and Mohd Aidy Faizal Johari, University			
	of Technology Malaysia, Kuala Lumpur, Malaysia Noriyuki Kuwano, Satoshi Hata, and Hiroshi Akamine, Kyushu University, Fukuoka, Japan			
15:40 - 16:00	Coffe	e Break MB 9 - Lobby		
	Session 4 - MR Applications	MB 9 - Rooms C & D		
	Chair: Dr. Mehdi Eshaghi			
16:00 - 16:20	Hybrid Torque Control Strategy with Gaussian Process Feedforward for a Novel MRF Dual-Clutch of an Electric Vehicle Transmission			
	Huan Zhang, Lei Deng, Weihua Li, and Haiping Du, University of Wollongong, Wollongong, Australia			
16:20 - 16:40	Development and Application of a Magnetically Cor Isolator	trolled Bidirectional Quasi-Zero Stiffness		
	Jie Fu, Wei Wang, Can Zhong, Datian Ai, and Miao Yu	, Chongqing University, Chongqing, China		
16:40 - 17:00	Evaluation and Improvement of Miniature MR Fluid Device for Lightweight Haptic Interface Asahi Higashiguchi, Graduate School of Engineering, Oita University, Japan Isao Abe and Takehito Kikuchi , Faculty of Science and Technology. Oita University, Japan			
	Development of a Novel Compact Magneto-rheolog	ical Impact Damper Featuring Shear-mode		
17:00 - 17:20	Huu-Quan Nguyen, Quoc-Duy Bui, and Duc-Nam Ngu Chi Minh City, Vietnam	yen, Industrial University of Ho Chi Minh City, Ho		
	Thanh Danh Lam and Quoc Hung Nguyen, Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam			
17:20 - 17:40	Fatigue Damage Degradation and Dynamic Charact Magnetorheological Elastomer Isolator	eristics of Periodic-Structured Anti-Yaw		
	Leizhi Wang, Feng Sun, Bo Zhang, Ningxia University,	Yinchuan, China		

17.40 18.00	Composition of Electrolytic Iron Particle for Performance Improvement of Magnetorheological Grease		
17.40 - 18.00	Nur Adilah Adanan, Abdul Yasser Abd Fatah , Saiful Amri Mazlan, Nur Azmah Nordin, Mohd Aidy Faizal Johari, University of Technology Malaysia, Kuala Lumpur, Malaysia Ramesh V Upadhyay, Charotar University of Science and Technology (CHARUSAT), Gujarat, India		
18:30 - 20:30	Welcome Reception	MB 9 - Rooms E, F & G	
	Day 3 - Wednesday July 9, 2025		
8:00 - 8:40	Plenary Talk: "Energy Absorption Strategies for Occupant Protection in Aerospace and Automotive Vehicles" Dr. Norman Wereley, University of Maryland at College Park, United States		
	Chair: Dr. Ramin Sedaghati	MB 9 - Rooms C & D	
	Session 5 - MRF Fundamentals Chair: Dr. Rongjia Tao	MB 9 - Rooms C & D	
8:40 - 9:00	Low Temperature Viscosity Optimisation of Automotive Grade MRF Thomas Featherstone, Ellis Mutter, and Xinyan Peng, Infineum UK LTD, United Kingdom		
9:00 - 9:20	Development of a Constitutive Model for Characterizing Electrorheological Fluid Material under Large Amplitude Oscillatory Shear Strain Farough Mohammadi and Ramin Sedaghati, Concordia University, Montreal, Canada		
9:20 - 9:40	Theoretical and Experimental Study on the Influencing Factors of Yield Stress of MR Fluid under Squeeze-Shear Mode <i>Haopeng Li</i> , Fei Chen, and Zuzhi Tian, China University of Mining and Technology, Xuzhou, China		
9:40 - 10:00	Coffee Break	MB 9 - Lobby	
9:40 - 10:00 10:00 - 10:40	Coffee Break Plenary Talk: "Microstructure as a key to understand the behavior of r elastomers" Dr. Stefan Odenbach, Dresden University of Technology, Germany Chair: Dr. Norman Wereley	MB 9 - Lobby magnetorheological MB 9 - Rooms C & D	
9:40 - 10:00 10:00 - 10:40	Coffee Break Plenary Talk: "Microstructure as a key to understand the behavior of relastomers" Dr. Stefan Odenbach, Dresden University of Technology, Germany Chair: Dr. Norman Wereley Session 6 - MR Fundamentals Chair: Dr. Miao Yu	MB 9 - Lobby magnetorheological MB 9 - Rooms C & D MB 9 - Rooms C & D	
9:40 - 10:00 10:00 - 10:40 10:40 - 11:00	Coffee Break Plenary Talk: "Microstructure as a key to understand the behavior of relastomers" Dr. Stefan Odenbach, Dresden University of Technology, Germany Chair: Dr. Norman Wereley Session 6 - MR Fundamentals Chair: Dr. Miao Yu Intercomponent Synergetic Effect of Carbon-based Materials for Elect Ke Zhang, Sai Chen, and Tong Zhang, Harbin Institute of Technology, Har	MB 9 - Lobby magnetorheological MB 9 - Rooms C & D MB 9 - Rooms C & D mB 9 - Rooms C & D	
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13:20 - 14:00	Plenary Talk: "Clutching Magnetorheological Actuators: An Enabling Technology for Haptic-Robots and High-Performance Machines" Dr. Jean-Sébastien Plante, University of Sherbrook, Canada MB 9 - Rooms C & D Chair: Dr. Andreas M. Menzel MB 9 - Rooms C & D		
	Student Presentations [‡]		
	Session 7 - MR Applications I Chairs: Dr. Jose R Morillas and Dr. Nguyen Quoc Hung	Session 8 - MR Applications II Chairs: Dr. Farough Mohammadi and Dr. Haopeng Li	
14:00 - 14:20	Model Reference Adaptive Time-varying Delay Compensator Design for Magnetorheological Elastomer-based Vibration Isolation System Can Zhong, Fanbo Zhao, Jie Fu, and Miao Yu, Chongqing University, Chongqing, China	A Novel Gimbal Magnetorheological Semi-active Inerter with Self-powering Capability Kim Thach Tran, Lei Deng, and Weihua Li, University of Wollongong, Wollongong, Australia	
14:20 - 14:40	Development of a viscoelastic model for predicting the behavior of Hybrid Magnetorheological Elastomer-Fluids <i>Karl Adams-Gillstrom</i> , Seyed Alireza Moezi, Ramin Sedaghati, and Subash Rakheja, Concordia university, Montreal, Canada Hossein Vatandoost, National Research Council of Canada, Boucherville, Canada	Experimental Study of a Magnetorheological Torque Limiter for Dog Type Automated Manual Transmission <i>Félix Palardy</i> , <i>Tim Dumais, Guillaume Rochette-</i> <i>Marion, and Jean-Sébastien Plante, Université de</i> <i>Sherbrooke, Sherbrooke, Canada</i> <i>Marc Denninger, Exonetik, Sherbrooke, Canada</i>	
14:40 - 15:00	On the Operational Speed limit of Magnetorheological Clutches <i>Frédérick Bérubé</i> , Jean-Sébastien Plante, David Rancourt, Université de Sherbrooke, Sherbrooke, Canada	A New Compact Magneto-Rheological Torque Feedback Device with Comb-Shaped Channel for Steer-by-Wire Systems Long-Vuong Hoang, Quoc-Duy Bui, and Van Cuong Vo, Industrial University of Ho Chi Minh City, Vietnam Quoc Hung Nguyen, Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam	
15:00 - 15:20	Integration of Metal 3D-Printed Magnetorheological Clutches in a Backdrivable High-Power Density Robotic Actuator <i>Pierre Lhommeau</i> and Jean-Sébastien Plante, Université de Sherbrooke, Sherbrooke, Canada	Seismic Response Control of a Long-span Cable-stayed Bridge with Spatially Variable Ground Motion using MR-based Semi-active Systems Zahrasadat Momeni and Ashutosh Bagchi, Concordia University, Canada	
15:20 - 15:40	Research of a Passive-tuned Magnetorheological Damper for Whole- spacecraft Vibration Isolation Lifan Wu, Xiaomin Dong, and Kaixiang Wang, Chongqing University, Chongqing, China	Optimal Design and Experimental Research of Magnetorheological Three-way Absorber Pufan Zhu , Mi Zhu, Weixiang Liang, Song Qi, Jie Fu, and Miao Yu, Chongqing University, Chongqing, China	
15:40 - 16:00	Coffee	Break MB 9 - Lobby	
	Session 9 - MR Fluids I Chairs: Dr. Dmitry Borin and Dr. Dipalkumar Patel MB 9 - Room C	Session 10 - MR Fluids II Chairs: Dr. Saiful Amri Mazlan and Dr. Tongfei Tian MB 9 - Room D	
16:00 - 16:20	Performance of Magnetorheological Fluid in a Novel Composite System of Flake-shaped Amorphous Particles and Carbonyl Iron Particles Tianxiang Du, Ning Ma, and Xufeng Dong, Dalian University of Technology, Dalian, China	Development of Autonomous Mobile Robot with Semi-active Universal Joint using Rotational Magnetorheological Fluid Damper Taiki Mieda, Yudai Moriki, Zhu Hongzhou, Isao Abe and Takehito Kikuchi, Oita University, Oita, Japan	

16:20 - 16:40	Design of a Test Bench Emulating Aircraft Primary Flight Control Operating Conditions to Study Magnetorheological Fluid Aging	Magnetorheological Fluids Under Perturbating Magnetic Fields
	Jeanne Moorhead, Francis Thérien, Jean- Sébastien Plante, and David Rancourt, Université	Óscar Martínez-Cano, José R. Morillas, Stefania Nardecchia, and Juan de Vicente, University of
	An In-situ Dvnamic Monitoring Method for	Modeling of Abrasive Magnetorheological
	Magnetorheological Fluid Sedimentation Based	Fluids for Drag Finishing
16:40 - 17:00	on Mudline Position Tracking	Fabian Sordon and Jürgen Maas, Technical
	Feng Zhang, Minghui Zhu, Honghui Zhang, and Zhiyuan Zou, Chongqing University, Chongqing, China	University Berlin, Berlin, Germany
	Experimental Study of Centrifugal Pumping of Magnetorheological Fluid	Model-based Investigation of the Sedimentation Behavior of Magnetorheological Fluids under
17:00 - 17:20	<i>Tim Dumais</i> , Jean-Sébastien Plante, and David Rancourt, Université de Sherbrooke, Sherbrooke,	the Influence of Magnetic and Acceleration Fields
	Canada	Valentin Schreiner, Ina Bregu , Jürgen Maas, Technical University Berlin, Berlin, Germany
	Design and Verification of a Twin-tube Magnetorheological Damper with Operation	Comparing ER and MR Dampers: Bouc-Wen vs. Spencer Models
17:20 - 17:40	Redispersion towards Sedimentation Immunity	Mohammed Mujeeb, Robert Langlois, and Fred
11.20 11.40	Minghui Zhu , Feng Zhang, Zhiyuan Zou, and Honghui Zhang, Chongqing University, Chongqing, China	Afagh, Carleton University, Ottawa, Canada
	Simulation Analysis of Whole-spacecraft	Influences of Local Energization of
	Vibration Isolation Platform Based on Magnetorheological Fluid Porous Fabric	Magnetorneological Fluid Pocket on Random Vibration Behavior of MR-laminated Beams
17:40 - 18:00	Dampers	Elisha Sam Acquah, and Abolghassem Zabihollah,
	Di Xu , Xiaomin Dong, and Pingyang Li, Chongqing	Tarleton State University, United State
	University, Chongqing, China	
	University, Chongqing, China Day 4 - Thursda	ay July 10, 2025
	University, Chongqing, China Day 4 - Thursda Plenary Talk: "High Performance Magnetorheolog	ay July 10, 2025 jical Fluids Based on Cross-scale Particles"
8:00 - 8:40	University, Chongqing, China Day 4 - Thursda Plenary Talk: "High Performance Magnetorheolog Dr. Xufeng DONG, Dalian University of Technology, G	ay July 10, 2025 jical Fluids Based on Cross-scale Particles" China
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8:00 - 8:40	University, Chongqing, China Day 4 - Thursda Plenary Talk: "High Performance Magnetorheolog Dr. Xufeng DONG, Dalian University of Technology, O Chair: Dr. Fred Afagh Session 11 - MR Technologies I Chairs: Dr. Lei Deng and Dr. Dipalkumar Patel	ay July 10, 2025 ical Fluids Based on Cross-scale Particles" China MB 9 - Rooms C & D Session 12 - MR Technologies II Chair: Dr. Mehdi Eshaghi and Olga Volkova
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8:00 - 8:40 8:40 - 9:00	University, Chongqing, China Day 4 - Thursda Plenary Talk: "High Performance Magnetorheolog Dr. Xufeng DONG, Dalian University of Technology, C Chair: Dr. Fred Afagh Session 11 - MR Technologies I Chairs: Dr. Lei Deng and Dr. Dipalkumar Patel MB 9-Room C Effect of Magnetic Fields on the Melting Process of Magnetic Fluids Argeena A. Agao-Agao, Kazuto Yamashiro, Shunta Masuda, Yuhiro Iwamoto, Yasushi Ido, Nagoya Institute of Technology, Nagoya, Japan Ignat Tolstorebrov, Trygve M. Eikevik, Norwegian University of Science and Technology, Trondheim, Norway Yasutake Hirota, and Takuya Miyazaki, Ferrotec Material Technologies Corporation, Tokyo, Japan	ay July 10, 2025 ical Fluids Based on Cross-scale Particles" China MB 9 - Rooms C & D Session 12 - MR Technologies II Chair: Dr. Mehdi Eshaghi and Olga Volkova MB 9 - Room D Active Natural Frequency Tuning of a Magnetorheological Membrane Seyyedmohammad Aghamiri, Ramin Sedaghati, Concordia University, Montreal, Canada
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8:00 - 8:40	University, Chongqing, China Day 4 - Thursda Plenary Talk: "High Performance Magnetorheolog Dr. Xufeng DONG, Dalian University of Technology, C Chair: Dr. Fred Afagh Session 11 - MR Technologies I Chairs: Dr. Lei Deng and Dr. Dipalkumar Patel MB 9-Room C Effect of Magnetic Fields on the Melting Process of Magnetic Fluids Argeena A. Agao-Agao, Kazuto Yamashiro, Shunta Masuda, Yuhiro Iwamoto, Yasushi Ido, Nagoya Institute of Technology, Nagoya, Japan Ignat Tolstorebrov, Trygve M. Eikevik, Norwegian University of Science and Technology, Trondheim, Norway Yasutake Hirota, and Takuya Miyazaki, Ferrotec Material Technologies Corporation, Tokyo, Japan Magnetically Tunable Bandgap in 2D Magnet/MRE Composite Phononic Crystals Longyu Bai, Yaping Li, Zhivang Yin. Songze Li. Jie	ay July 10, 2025 ical Fluids Based on Cross-scale Particles" China MB 9 - Rooms C & D Session 12 - MR Technologies II Chair: Dr. Mehdi Eshaghi and Olga Volkova MB 9 - Room D Active Natural Frequency Tuning of a Magnetorheological Membrane Seyyedmohammad Aghamiri, Ramin Sedaghati, Concordia University, Montreal, Canada Understanding Self-Organization from Permanently Encoded Ferrofluid Spike Patterns Michel Laforest Mongeau. Mark P. Andrews. Tina
8:00 - 8:40 8:40 - 9:00 9:00 - 9:20	University, Chongqing, China Day 4 - Thursda Plenary Talk: "High Performance Magnetorheolog Dr. Xufeng DONG, Dalian University of Technology, G Chair: Dr. Fred Afagh Session 11 - MR Technologies I Chairs: Dr. Lei Deng and Dr. Dipalkumar Patel MB 9-Room C Effect of Magnetic Fields on the Melting Process of Magnetic Fluids Argeena A. Agao-Agao, Kazuto Yamashiro, Shunta Masuda, Yuhiro Iwamoto, Yasushi Ido, Nagoya Institute of Technology, Nagoya, Japan Ignat Tolstorebrov, Trygve M. Eikevik, Norwegian University of Science and Technology, Trondheim, Norway Yasutake Hirota, and Takuya Miyazaki, Ferrotec Material Technologies Corporation, Tokyo, Japan Magnetically Tunable Bandgap in 2D Magnet/MRE Composite Phononic Crystals Longyu Bai, Yaping Li, Zhiyang Yin, Songze Li, Jie Fu, Miao Yu, and Song Qi, Chongqing University,	ay July 10, 2025 ical Fluids Based on Cross-scale Particles" China MB 9 - Rooms C & D Session 12 - MR Technologies II Chair: Dr. Mehdi Eshaghi and Olga Volkova MB 9 - Room D Active Natural Frequency Tuning of a Magnetorheological Membrane Seyyedmohammad Aghamiri, Ramin Sedaghati, Concordia University, Montreal, Canada Understanding Self-Organization from Permanently Encoded Ferrofluid Spike Patterns Michel Laforest Mongeau, Mark P. Andrews, Tina Lam, and Tianyu Zhong, McGill University,

	Simulation and Experimental Study on the Influence of Magnetic Field on the Surface Roughness in Magnetorheological Polishing	A Giant Electrorheological Fluid Damper Prototype Functions in Shear-Flow Hybrid Mode and Its Performance	
9:20 - 9:40	Thanh-Danh Lam , Quoc-Duy Bui, and Duc-Nam Nguyen, Industrial University of Ho Chi Minh City, Ho Chi Minh City, Vietnam Quoc Hung Nguyen, Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam	Zihao Qiu , Hongliang Dou, Xiaorui Cui, Siyu Yang, and Weijia Wen, The Hong Kong University of Science and Technology, Guangzhou, China	
	Performance Evaluation of Control Approaches for An MR Damper Prosthetic Leg	Proposal of Hybrid Smart Structure with Magnetorheological Fluid / Elastomer	
9:40 – 10:00	Hossein Vatandoost, National Research Council of Canada, Boucherville, Canada Afrouz Hajimoradi and Ramin Sedaghati, Concordia University, Montreal, Canada	Kyusei Shimoma , Rihiro Fukuyama, and Takehito Kikuchi, Oita University, Oita, Japan	
10:00 - 10:20	Coffee	Break MB 9 - Lobby	
	Session 13 - MR Elastomers I Chairs: Dr. Hossein Vatandoost and Dr. Jie Fu	Session 14 - MR Elastomers II Chairs: Dr. Jun Cai and Dr. Leizhi Wang	
	MB 9 - Room C Magneto-Mechanical-Thermal Coupled Behavior	Adhesion and Detachment of Spherical	
	of Anisotropic Magnetorheological Elastomers: A continuum-mechanics Approach	Particles on Microstructures of Permanent Magnet Elastomers	
10:20 – 10:40	Amin Saber and Ramin Sedaghati, Concordia University, Montreal, Canada	Sota Suzuki , Rikima Kuwada, Mikihiro Hayashi, Yasushi Ido, Daisuke Ishii, Mitsuhiro Kmezaki, Yuhiro Iwamoto, Nagoya Institute of Technology, Nagoya, Japan	
	Quantitative Analysis of Mechanical Properties in GO/rGO-Reinforced PDMS Nanocomposites	Influence of Microstructure on Magnetic Properties of Anisotropic Magnetic Elastomers	
10:40 – 11:00	Ghazaleh Ramezani , and Ion Stiharu, Concordia University, Montreal, Canada Theo G.M. van de Ven, McGill University, Montreal, Canada	Dmitry Borin, Nils Magin , and Stefan Odenbach, Dresden University of Technology, Dresden, Germany	
	Plenary Talk: "Enhanced MRI With Magnetic Metamaterials"		
11:00 – 11:40	Chair: Dr. Subash Rakheja	MB 9 - Rooms C & D	
15:00 - 18:45	City Tour		
		Not Confirmed Yet	
19.00 - 21.00	Banquet Ceremony		
19.00 - 21.00			
		Location: IBD	

* The registration desk will remain open throughout the conference during official hours.

- ⁺ Concordia University Conference Center (MB 9) is located at John Molson Pavilion, 1450 Guy St., Montreal, Quebec, Canada, H3H0A1
- [‡] Student presentations will be evaluated, and the top three will receive awards from ERMR2025 during the Banquet Ceremony.

Poster Presentations

Wednesday July 9, 2025 - 12:00 - 13:20

MB 9

Magnetorheological Elastomer-Based Smart Structures Fabricated through Additive Manufacturing Route *Iris Handa*, Shervin Foroughi and Muthukumaran Packirisamy, Concordia university, Montreal, Canada

Rheological, Microscopic and Statistical analysis of Elastomers Made with Silicone and Ferromagnetic Powder for Application as Honeycomb Core Filling in Sandwich Beams

Pedro Yanaze, Felipe de Souza Eloy, Antonio José Faria Bombard, Regina Celia Reis Nunes, Federal University of Itajubá, Itajubá, Brazil

Analysis on the Transmission Principle of Eccentric Squeezed Magnetorheological Fluids

Qingchao Chen, Fangping Yan, Jiajie Li, Guanqi Wang, and **Xuli Zhu**, Shandong University of Science and Technology, China

Micro Thermo-electromagnetic Actuator Platform Design for Littrow Monolithic Coupled System

Mehdi Kharazmi and Muthukumaran Packirisamy, Concordia University, Montreal, Canada

Formation and Shielding Effectiveness of Ferrosoliton in the Presence of Dynamic Magnetic Field

Huan-Kuang Kuan, Hsin-Chieh Hsieh, Yan-Hom Li, National Defense University, Taiwan

Development of a Rotary Liquid Inerter with Negative Stiffness and Variable Damping Characteristics

Wenlang Xie, Lei Deng, and Weihua Li, University of Wollongong, Wollongong, Australia