Oral Presentation Schedule

Day 1: Tuesday, 17 November 2026

Time: 10:45-12:15

Venue: Hall A **Time:** 10:45-12:15

SESSION CHAIRS: Prof. Mehdi Razzaghi-Kashani & Dr. Mohammadjavad Hafezi

TOPIC: Polymer Blends, Composites and Nanocomposites

10:45-11:15		**Keynote**: Prof. Mehdi Razzaghi-Kashani, Tarbiat Modares University Enviromental Concerns of Tire Wear Particles and the Controlling Parameters
11:15-11:35	1294	**Reactive Compatibilization of PLA/TPS Blends during Melt Processing: A Comparative Study on Epoxidized Oils vs. Multifunctional Chain Extenders** **Pedram Bahrami** - Hamid Garmabi
11:35-11:55	1266	**PBAT/Expanded Graphite Composites for Multifunctional Biodegradable Packaging: Effect of Processing Method** **Shahrzad Valipour** - Mohammad Najafi - Sohrab Nikazar - Ghodratollah Hashemi Motlagh
11:55-12:15	1280	**Improving Tensile Properties and Toughness of Epoxy via the Formation of Epoxy/Acrylate Interpenetrating Polymer Networks** **Mehran Jahani** - Alireza Sharif - Seyed Mohammad Reza Paran

Venue: Hall B **Time:** 10:45-12:15

SESSION CHAIRS: Dr. Hossein Boohendi & Dr. Zahra Balzadeh

TOPIC: Polymer Synthesis and Characterization

10:45-11:15		**Keynote**: Dr. Hossein Boohendi, Iran Polymer and Petrochemical Institute Pore Formation and Wetting Dynamics in Precipitation and Dispersion Polymerization of Crosslinked Poly(acrylic acid)
11:15-11:35	1078	**Synthesis and Regiochemical Characterization of Poly(3-hexylthiophene) (P3HT) as a Hole-Transport Layer for Halide-Doped Carbon-QuantumDot-Modified Perovskite Solar Cells** **Zahra Eghbal** - Saeed Pourmahdian - Farzad Zahedi
11:35-11:55	1513	**Synthesis of Host-Guest Stimuli-Responsive Macromolecules Based on Azobenzene and β-Cyclodextrin for the Developing of Smart Nanocarriers** **Amin Shoghli** - Ali Amiri - Fatemeh Maleki - Hossein Sadri - Mobin Rahmanidoust - Amin Abdollahi
11:55-12:15	1729	**Structural and Ion-Exchange Investigation of PVDF-g-PSPMA Copoly-mers Synthesized via Free Radical/Graft Polymerization** **Alireza Mirkhani Deligani** - Saeed Pourmahdian - Mehdi Tohidian - Mohammad Golmohammad - Maral Ghahremani - Nazanin Rostami

Oral Presentation Schedule

Venue: Hall C **Time:** 10:45-12:15

SESSION CHAIRS: Dr. Seyed Morteza Ghasemi & Dr. Zahra Maghsoud

TOPIC: Modeling and Simulation / Fibers, Films and Polymeric Membranes

10:45-11:15		**Keynote**: Prof. Naser Mohammadi, Amirkabir University of Technology The fiber Drawability- precursor morphology correlation of gel spun ultra-high molecular weight polyethylene (UHMWPE)
11:15-11:35	1756	**Simulation Based Design of a Chitosan/Sulfonated Polybutylene Fumarate Nanocomposite Membrane With MWCNT-Im for Direct Methanol Fule Cells** Mehdi Ghasempour - Seyed Ali Mazloumi - Hadi Shirali - **Maryam Kolvari**
11:35-11:55	1367	**The Model Prediction of Membrane Microstructure and Morphology based on Multiple Gas Permeability/Selectivity Data** **Dorsa Talghan Ghafari** - Naser Mohammadi
11:55-12:15	1703	**Amidoxime-Functionalized Poly(vinyl imidazole-co-acrylonitrile)/ Polyacrylonitrile Blend Nanofibers for High Efficient Gold Recovery** **Hamed Omidian -** Abbas Shirdast - Mahdi Abdollahi

Venue: Hall D **Time:** 10:45-12:15

SESSION CHAIRS: Dr. Mohammad Mahdi Abolhasani & Dr. Alireza Mahjub

TOPIC: Biopolymers, Biocompatible Polymers and Tissue Engineering

10:45-11:15		**Keynote**: Dr. Mohammad Mahdi Abolhasani, Kashan University Biopolymers and Biocompatible Polymers in Nanogenerators: From Energy Harvesting to Biomedical Sensing and Electrical Stimulation
11:15-11:35	1392	**Photoinitiator Type and Concentration in a DLP Resin: Cure Depth, Polymerization Shrinkage and Print Fidelity** **Melika Rahemi Ebrahimi** - Saeid Bahrami - Mohammad Atai - Morteza Mohammadi Ghayeghchi - Ali Hasani
11:35-11:55	1044	**CaO_2-Loaded Electrospun PLLA/PGS Fibres with Sustained Release of Oxygen and Ca Ions for Bone Tissue Engineering** **Seyyed Ahmad Seyyed Nasrollah** - Hanieh Nojehdehian - Reza Karimi-Soflou
11:55-12:15	1643	**Efficient encapsulation of pEGFP-N_2 plasmid and dexamethasone in microfluidically synthesized hybrid nanogels** **Farahnaz Karamouz** - Farhang Abbasi

Oral Presentation Schedule

Venue: Hall E **Time:** 10:45-12:15
SESSION CHAIRS: Prof. Mir Hamid Reza Ghoreishy & Dr. Mohammad Najafi
TOPIC: Modeling and Simulation

10:45-11:15		**Keynote**: Prof. Mir Hamid Reza Ghoreishy, Iran Polymer and Petrochemical Institute From Time-Domain Hyper-Viscoelasticity to RPA Dynamic Moduli: Predicting the Nonlinear LAOS Response of Carbon-Black-Reinforced SSBRs
11:15-11:35	1144	**Numerical Simulation and Verification of Gentamicin Release from Gelatin Microspheres Using a Fickian Diffusion Model** **Saeedreza Barzkar -** Zahra Kiaei - Maryam Saadatmand
11:35-11:55	1338	**Process modeling and simulation of PLA/EVOH blends in an internal mixer** **Mojtaba Atashi** - S.Ali Mazloumi - Hadi Shirali
11:55-12:15	1734	**Numerical Modeling of a PNIPAM/PEGMA/DMAEMA Composite Electrolyte Reinforced with CNT/CNC for Multi-Responsive Implantable Lithium-Ion Batteries** **Roya Fallah** - Alireza Ramezani

Venue: Hall F **Time:** 10:45-12:15
SESSION CHAIRS: Dr. Alireza Sharif & Dr. Hadi Shirali
TOPIC: Artificial Intelligence Applications in Polymers

10:45-11:15		**Keynote**: Prof. Najem Abdulkadhim Al-Rubaiey, University of Technology, Iraq Artificial Intelligence and Advanced Polymeric Nanocomposites: Emerging Opportunities for Corrosion Protection and Environmental Sustainability
11:15-11:35	1627	**Percolation-Constrained Neural Networks for Predicting the Electrical Conductivity of CNT/Polymer Nanocomposites** **Mohammad Ali Shiukhi** - Kian Ghanbari - Mahyar Ghasemi Olanlari
11:35-11:55	1584	**Machine Learning Models for Mechanical Property Prediction in Polymer/Sepiolite Nanocomposites: A Comparative Evaluation** **Ali Abbasi** - Mohammad Ghadimi - Kimia Pourbakht - Mehdi Rafizadeh
11:55-12:15	1407	**Improving the Optical transparency of PMMA parts fabricated by FDM 3D printing with processing parameters & post processing** **Mahdi Kazemi Rad** - Amir Masoud Rezadoust - Reza Ghaffarian Anbaran

Oral Presentation Schedule

Day 1: Tuesday, 17 November 2026
Time: 14:00 – 15:30

Venue: Hall A **Time:** 14:00-15:30
SESSION CHAIRS: Prof. Ahmadreza Bahramian & Dr. Hossein Yahyaei
TOPIC: Polymer Blends, Composites and Nanocomposites

14:00-14:30		**Keynote**: Prof. Ahmadreza Bahramian, Tarbiat Modares University Polymeric Aerogels and Phase Change Materials for Advanced Thermal Energy Management: Insulation, Storage, and Thermal Protection
14:30-14:50	1165	**Carbon-Fiber-Reinforced Phenolic Aerogels for Ablative Thermal Protection: Effect of Matrix Type and Reinforcement** **Mohamad hosein Lajevardi** - Seyed reza Ghaffarian
14:50-15:10	1462	**Investigation of the Physico-Mechanical Properties and Tribological Behavior of Epoxy Composites Containing Solid Lubricants** **Alireza Ziadelahi** - Seyed hassan Jafari - Masoud Esfandeh - Amirmasoud Rezadoust
15:10-15:30	1573	**Effects of Sodium Hydroxide and Sodium Acetate Modification on the Tensile Behavior of Jute/PLA Composites** **Saghar Hematkhahan** - Seyed Abolfazl Mirdehghan - Hooshang Nosraty

Venue: Hall B **Time:** 14:00-15:30
SESSION CHAIRS: Prof. Mahdi Abdollahi & Prof. Vahid Haddai-Asl
TOPIC: Polymer Synthesis and Characterization

14:00-14:30		**Keynote**: Prof. Mahdi Abdollahi, Tarbiat Modares University Advances in Non-Functional Low Molecular Weight Liquid Polybutadiene: Synthesis and Molecular Architecture
14:30-14:50	1647	**Effect of Monomer Stoichiometry on the Properties of Poly(glycerol adipate) Elastomeric Hydrogels** **Reza Bagheri-Renani** - Mohsen Shahrousvand - Abdolmajid Bayandori Moghaddam - Jamshid Mohammadi-Rovshandeh
14:50-15:10	1267	**Effect of GO@MnO_2 Hybrid Nanostructure on the β-Phase Formation of PVDF Nanocomposites** **Zahra Aliasgharzadeh –** Fatemeh Goharpey – Hossein Nazokdast
15:10-15:30	1421	**Raman Spectroscopic Insight into the Microwave-Assisted Grafting of Acrylic Acid onto Polysulfide Epoxy Resins** **Zahra Rahmani -** Behzad Shirkavand Hadavand

Oral Presentation Schedule

Venue: Hall C **Time:** 14:00-15:30
SESSION CHAIRS: Dr. Manouchehr Khorasani & Dr. Maral Ghahramani
TOPIC: Fibers, Films and Polymeric Membranes

14:00-14:30		**Keynote**: Dr. Manouchehr Khorasani, Amirkabir University of Technology Hydrophobic Engineering of Poly(acrylic acid) Xerogels for Salt-Tolerant Thichening Applications
14:30-14:50	1650	**A Fully Biodegradable Chitosan/PVA Triboelectric Nanogenerator for Sustainable Mechanical Energy Harvesting** **Mohammad Aghanouri** - Mohammad Mahdi Abolhasani
14:50-15:10	1640	**Low-Flux Polysulfone Membrane Dialyzers Sterilized by Gamma Irradiation and Ethylene Oxide: A Performance-Based Comparative Study** **Mohanna Arab Khazaeli** - Hamed Salimi-Kenari - Hassan Adeli
15:10-15:30	1691	**Preparation and Characterization of Ion-Exchange Nanocomposite Membranes Based on Modified Chitosan Nanoparticles** **Mehdi Zolfi Zeinab -** Negar Hanaei - Mehdi Gasempour - Ana Sharifi - Mehdi Tohidian

Venue: Hall D **Time:** 14:00-15:30
SESSION CHAIRS: Prof. Mohammad Taghi Khorasani & Dr. Saeid Bahrami
TOPIC: Biopolymers, Biocompatible Polymers and Tissue Engineering

14:00-14:30		**Keynote**: Prof. Asra Ali Hussein, Babylon University, Iraq Biopolymers: From Sustainable Materials to Advanced Biomedical Applications
14:30-14:50	1733	**Highly Porous Poly(lactic acid)/Functionalized Natural Rubber-Based Foams Reinforced with Plant-Derived Micro- and Nanocellulose for Tissue Engineering Applications** Pardis Sarafrezaei **- Ladan Amini Shirazi -** Farkhondeh Hemmati
14:50-15:10	1386	**Crystalline Structure Manipulation in Electrospun Fibers to Optimize Biodegradation Rates** **Ali Abbasi** - Hossein Beiranvand - Mobina Shokrollah Zadeh Moghadam - Mehdi Rafizadeh
15:10-15:30	1049	**Preparation and Surface Functionalization of Lignin Nanoparticles with APTES for Potential Reinforcement of Rubber Composites** **Delaram Seyedahmadnia -** Abbas Shirdast - Mehdi Razzaghi-Kashani - Mahdi Abdollahi

Oral Presentation Schedule

Venue: Hall E **Time:** 14:00-15:30

SESSION CHAIRS: Prof. Ahmad Ramazani Saadatabadi & Dr. Azizollah Nodehi

TOPIC: Biopolymers, Biocompatible Polymers and Tissue Engineering/ Modeling and Simulation

14:00-14:30		**Keynote**: Ahmad Ramazani Saadatabadi, Sharif University of Technology Preparation and Investigation on Anticancer Efficiency of Injectable Hyaluronic Acid Hydrogel Containing Fucoidan-Chitosan and Magnesium Oxide Nanoparticles
14:30-14:50	1721	**Three-Dimensional Monte Carlo Simulation of CNT-Based Polymer Nanocomposites: Role of Polymer Properties in Matrix-Dependent Tunneling** **Niloufar Yousefi Kiasaraei** - Armin Ebrahimi - Mohammad Heydarnejad Moghadam - Fatemeh Goharpey
14:50-15:10	1152	**Numerical Modeling and Inverse Acoustic Characterization of NBR/PVC Porous Panels for Sound Insulation Applications** **Maryam Mohseni** - Amirmohammad Momenirad - Pedram Alizadeh Esfestani - Seyed Mostafa Hosseini
15:10-15:30	1173	**Role of Viscoelastic Dissipation in Crack-Path Prediction of Bilayer Rubber Composites** **Sahar Tavosi -** Mohammad Alimardani - Mir Hamid Reza Ghoreishy - Hossein Roshanaei

Venue: Hall F **Time:** 14:00-15:30

SESSION CHAIRS: Dr. Abbas Rezaee Shirin-Abadi & Dr. Hamed SalimiKenari

TOPIC: Polymer Reaction Engineering / Artificial Intelligence Applications in Polymers

14:00-14:30		Keynote: Dr. Abbas Rezaee Shirin-Abadi, Shahid Beheshti University PET Circularity: Overcoming Bottlenecks in Mechanical and Chemical Recycling
14:30-14:50	1726	**Microstructural characterization of industrial Ziegler-Natta catalysts via N2 adsorption-desorption analysis** **Aliasghar Mohammadi** - Nona Ghasemi
14:50-15:10	1479	**Closing the Loop in Biomaterials Design: An AI-Driven Active Learning Framework for Multi-Objective Optimization of Biopolymer-Based Tissue Engineering Scaffolds** **Ehsan Ghiasy Nick** - Faezeh Saffyari - Mohsen Shahrousvand
15:10-15:30	1025	**Machine Learning Analysis of Corrosion Protection in Polymer Nanocomposite Coatings** **Najem Al-Rubaiey** - Fadhil Kadhim

Oral Presentation Schedule

Day 1: Tuesday, 17 November 2026
Time 16:00 – 17:00

Venue: Hall A **Time:** 16:00-17:00
SESSION CHAIRS: Prof. Mohammad Karrabi & Dr. Hedayatollah Sadeghi Ghari
TOPIC: Polymer Blends, Composites and Nanocomposites

16:00-16:20	1472	**In Situ Synthesis and Characterization of MIP-202@Leafiran: A Bio-MOF/Lignocellulose Hybrid Nanocomposite** **Shima Panahi -** Mohammad Dinari
16:20-16:40	1379	**Engineering Hydrophilic PDMS with a Chitosan-Based Additive for Microfluidic and Body-on-Chip Applications** **Fatemeh Irajirad -** Rafieh-Sadat Norouzain
16:40-17:00	1263	**From Rubber Abrasion to Tire Wear: How Laboratory Abrasion Testers Facilitate the Valid Prediction of Tire Wear?** **Seyed Hamid Reza Sabbaghi -** Mehdi Razzaghi-Kashani

Venue: Hall B **Time:** 16:00-17:00
SESSION CHAIRS: Prof. Hassan Agha Arabi & Dr. Abdol-Rahim Faramarzi
TOPIC: Polymer Synthesis and Characterization

16:00-16:20	1600	**Balancing Melt Processability and Structural Integrity in HDPE: The Critical Role of Hydrogen Partial Pressure in the Second Reactor** **Somayeh Lashgari -** Ali Safinejad - Majid Habibelahi - Mohammadreza Mehdizadeh
16:20-16:40	1326	**One-Pot Synthesis of α-Diimine Nickel(II) Catalysts: Effect of Ligand Steric Environment on Ethylene Polymerization Activity and Polyethylene Thermal Behavior** **Mohammad Moein Safa -** Maryam sadat Beheshti - Hasan Arabi - Mehdi Ghambarian
16:40-17:00	1587	**Synthesis of flexible double-network hydrogels with improved mechanical properties** **Sayed Ali Savaedi -** Kourosh Kabiri - Mohammad Jalal Zohuriaan-Mehr - Hossein Bouhendi

Oral Presentation Schedule

Venue: Hall C **Time:** 16:00-17:00

SESSION CHAIRS: Prof. Mehran Javanbakht & Dr. Jalal Barzin

TOPIC: Fibers, Films and Polymeric Membranes

16:00-16:20	1032	**Development of Janus Nanoparticle-Containing Pebax-based Mixed Matrix Membranes for CO2/N2 Separation** **Reyhane Jalali Viarsagh -** Ehsan Chehrazi
16:20-16:40	1546	**Antibacterial Properties of Cotton Fabric via Coating with Silver Nanoparticles Green-Synthesized Using Sandalwood Extract** **Parisa Taromi -** Mahdi Safi - Mousa Sadeghi-Kiakhani
16:40-17:00	1704	**Preparation and Characterization of Nanocomposite Proton Exchange Membranes Based on 17.5% Sulfonated Poly(butylene fumarate) and Cellulose Nanofibers** **Mohammad Mahdi Malakouti** - Abolfazl Zakeri - Mehdi Ghasempour - Mahdi Tohidian

Venue: Hall D **Time:** 16:00-17:00

SESSION CHAIRS: Dr. Mozhgan Zandi & Dr. Hamid Keshvari

TOPIC: Biopolymers, Biocompatible Polymers and Tissue Engineering

16:00-16:20	1093	**Development of a Hybrid Calcium Chloride/Tannic Acid Crosslinking System for Double-Network Poly(vinyl alcohol)/Sodium Alginate Hydrogels** **Zeinab Yarhosseini -** Mehdi Entezam - Moslem Tavakol
16:20-16:40	1702	**Printability and Morphological Characteristics of a GelMA-Based Ink** **Narges Rabbanikhah** - Morteza Ebrahimi - Sahar Abdollahi Baghban - Shadab Bagher-Khoulenjani
16:40-17:00	1391	**Sudan I as a DLP Light Absorber: Cure Depth, Shrinkage and Print Fidelity** **Melika Rahemi Ebrahimi** - Saeid Bahrami - Mohammad Atai - Morteza Mohammadi Ghayeghchi - Ali Hasani

Oral Presentation Schedule

Venue: Hall E **Time:** 16:00-17:00

SESSION CHAIRS: Dr. Mohammad Ghashghaee & Dr. Mohsen Najafi

TOPIC: Modeling and Simulation/ Polymer Synthesis and Characterization

16:00-16:20	1026	**Dynamic Construction of Realistic Networks for Molecular Simulation of an Acrylic-Melamine Thermoset Coating: A Case Study** **Seyyed Mohammad Mousavifard** - Mohsen Mohseni - Hesam Makki - Hossein Yahyaei
16:20-16:40	1323	**Comparison of Electronic Structure and Conceptual DFT Descriptors for PTSA and H_2SO_4 in PVA-Based Solid Polymer Electrolyte for Electrochemical Capacitors** **Elahe Sehhat -** Mahdi Salami-Hosseini - Mehdi Salami-Kalajahi
16:40-17:00	1400	**Molecular Insights into Colistin Encapsulation by Hyaluronic Acid and PVA-PSS Polymeric Nanocarriers** **Abolfazl Azadi** - Khadije Ahmadi - Hossein Fazli - Hoda Nassira

Venue: Hall F **Time:** 16:00-17:00

SESSION CHAIRS: Dr. Mohammad Fakhroleslam & Dr. Hadi Shirali

TOPIC: Artificial Intelligence Applications in Polymers

16:00-16:20	1669	**Trust-Gated Machine Learning for Tensile Strength Screening of PLA/CNF Nanocomposites** **AmirAli Mahiroodi** - Ali Azimi - Mohammad Saleh Abbasi
16:20-16:40	1145	**Interpretable Machine Learning for the Study of Thermal and Mechanical Properties of Epoxy Resin Systems** **Seyed Ali Noorashrafedin** - Alireza Sharif
16:40-17:00	1051	**Interpretable Machine Learning for Multiscale Prediction of Viscosity in Concentrated Polymer-Particle Suspensions** **Kimia Ghorbani -** Fatemeh Goharpey - Hadi Shirali

Oral Presentation Schedule

Day 2: Wednesday, 18 November 2026
Time: 09:15-10:45

Venue: Hall A **Time:** 9:15-10:45
SESSION CHAIRS: Prof. Seyed Reza Ghaffarian & Dr. Hamed Azizi
TOPIC: Polymer Blends, Composites and Nanocomposites

9:15-9:45		**Keynote**: Dr. Shahriar Hojjati Emami, Amirkabir University of Technology Chemical mechanism prediction unravels multiple macromolecular outcomes from free-radical reactions
9:45-10:05	1138	**Effect of Different Sulfur Vulcanization Systems on the Cellular Morphology and Mechanical Properties of Nanosilica-Filled NBR/PVC Elastomeric Foams** **Aida Entezari -** Mehdi Ghanbari adivi - Elham Ramyar - Parisa Aberi zaker
10:05-10:25	1150	**Toward a Visible-Light-Responsive Biopolymer Photocatalyst via Solvothermal growth of CdS on Chitosan Surface** **Amir Mohammad Anajafi Marzijarani** - Azadeh Ebrahimian Pirbazari - Fatemeh Esmaeili Khalil Saraei
10:25-10:45	1251	**PVA/Graphene Oxide Nanocomposite Aerogels: Physical vs. Chemical Cross-Linking Effects on Network Structure and Performance** **Kosar Alavi -** Hossein Nazockdast - Hamid Garmabi - Mohsen Ranjbari

Venue: Hall B **Time:** 9:15-10:45
SESSION CHAIRS: Prof. Mehdi Nekoomanesh & Dr. Alireza Mahjub
TOPIC: Polymer Synthesis and Characterization

9:15-9:45		**Keynote**: Prof. Mehdi Nekoomanesh, Iran Polymer and Petrochemical Institute Ionic Environments in $AlCl_3$ Mediated Polymerization
9:45-10:05	1725	**Micellar copolymerization of acrylamide with hydrophobic monomers and comparison of the properties of the resulting copolymers with those obtained via inverse emulsion polymerization** **Soroush Gholamjani Moghaddam -** Ahmad Ramazani Saadatabadi
10:05-10:25	1083	**Elimination of Chemical Crosslinkers in Poly(MMA-co-BMA) Core-Shell Nanocapsules via Compartmentalization-Induced Entanglement: Mechanism of Burst-Release Mitigation** **Sara Gharibi -** Alireza Mahjoub
10:25-10:45	1469	**Investigation of the growth kinetics of silver nanorods synthesized by the polyol method using UV-Vis spectroscopy** Abdol-Rahim Faramarzi **- Foad Haghdadi**

Oral Presentation Schedule

Venue: Hall C **Time:** 9:15-10:45

SESSION CHAIRS: Dr. Mehdi Ghaffari & Dr. Manouchehr Khorasani

TOPIC: Fibers, Films and Polymeric Membranes / Resins, Adhesives and Coatings

9:15-9:45		**Keynote**: Dr. Mehdi Ghaffari, Golestan University Polymer-Based Nanocomposites for Sustainable Energy Storage: Nano-Engineered Phase Change Materials
9:45-10:05	1306	**Selective Suppression of CH_4 Transport by Two-Dimensional GO@MPS-PMMA Nanofillers in Polyurethane** Rahim Bavi **- Mohammad Reza Salehzadeh** - Farzin Jamalpour - Arash Abbaspour
10:05-10:25	1501	**Electrochemical Evaluation of α-Zirconium Phosphate for Corrosion Protection of Steel in a Chloride-Rich Environment** **Sarah Farahani -** Bahram Ramezanzadeh - Mohammad Mahdavian
10:25-10:45	1230	**Molecular Design of Self-Healing Silane-Terminated Polyurethane Coatings through HDI Architecture and Silane Content Control** **Mahsa Mirzaei** - Hossein Yahyaei

Venue: Hall D **Time:** 9:15-10:45

SESSION CHAIRS: Dr. Hamid Mirzadeh & Dr. Mohsen Shahrousvand

TOPIC: Biopolymers, Biocompatible Polymers and Tissue Engineering

9:15-9:45		**Keynote**: Dr. Mohammad bayat, Noveratech, LLC, USA. Advanced Biomaterial Scaffolds and Cell-Free Nanotherapeutics for Complex Bone Defects: Current Paradigms and Future Directions
9:45-10:05	1528	**Photothermal Antibacterial Self-Adhesive Wound Dressing Based on Non-Isocyanate Polyurethane** **Parsa Mousavi -** Hamid Yeganeh - Masoud Babaahmadi
10:05-10:25	1715	**Plasma-Assisted Surface Functionalization of PLA Nanofibers with Graphene Oxide for Enzyme Immobilization** **Helia Heydarinasab -** Amir Hossein Davoodi - Seyed Omid Ranaei-Siadat - Saeedeh Mazinani - Farhad Sharif
10:25-10:45	1038	**Polymer-Lipid Hybrid Design: LNP-Based mRNA Nanocarriers and the Role of Nisin in Modulating IFN-γ Response in PBMCs** **Fereshteh Moharrmzadeh -** Mahdieh Jafari - Amir Shamloo - Morteza Karimipour - Mohammad-Ali Shokrgozar

Oral Presentation Schedule

Venue: Hall E **Time:** 9:15-10:45
SESSION CHAIRS: Prof. Farhang Abbasi & Dr. Helma Vakili
TOPIC: Novel Applications in Polymers

9:15-9:45		**Keynote**: Prof. Farhang Abbasi, Sahand University of Technology Crystallization Thermodynamics of Poly(3-hexylthiophene): Challenges and Solutions
9:45-10:05	1489	**Predicting Coalescing Agent Efficiency in Latex Film Formation Using Hansen Solubility Parameters** **Ali Raeisiyekta** - Mohsen Mohseni
10:05-10:25	1405	**Production of SCBA Mask buckle using FDM 3D-printing** **Mehdi Rostami -** Gholam-Reza Nejabat
10:25-10:45	1430	**From Nano-Scratch to Macro Strain-Hardening: A Multiscale Correlation between PVA Fiber Surface Shearing and Flexural Toughness of ECC** **Mohamad ALi Etminani Esfahani -** Abbas Abbasian - Farhad Sharif

Venue: Hall F **Time:** 9:15-10:45
SESSION CHAIRS: Dr. Fatemeh Goharpay & Prof. Mahdi Salami-Hosseini
TOPIC: Circular Economy in Polymers / Rheology and Polymer Processing

9:15-9:45		**Keynote**: Dr. Ehsan Behzadfar, Toronto Metropolitan University, Toronto, Canada When Polymers Evolve: Rheology, Structural Memory, and the Physics of Sustainable Materials
9:45-10:05	1598	**Facile post-synthetic loading of anthocyanin onto PEG/PCL-based polyurethanes: Surface dyeability and hydrogen bonding dynamics** **Zeynab Hashemi-Torkamani** - Mohammadreza Miralvar - Mostafa Rezaei
10:05-10:25	1709	**Biaxial Stretching-Induced Crystallization in PLA/EVA Blends and Its Effect on Water Vapor Barrier Properties** **Azin Nobakht Ghomsheh** - Mohammad Heidari - Hamid Garmabi
10:25-10:45	1722	**Rheological Modeling of Stress Relaxation and Dynamic Covalent Network Kinetics in Polyethylene Vitrimers** **Asal Yousefi** - Fatemeh Goharpey – Hossein Nazokdast

Oral Presentation Schedule

Day 2: Wednesday, 18 November 2026
Time: 11:15 – 12:15

Venue: Hall A **Time:** 11:15-12:15
SESSION CHAIRS: Prof. Masoud Esfandeh & Dr. Mahshid Maroufkhani
TOPIC: Polymer Blends, Composites and Nanocomposites

11:15-11:35	1401	**Effect of Dicumyl Peroxide Concentration on Reactive Modification of PLA with Maleic Anhydride and Styrene** **Fateme Asoode kisomi -** Mahshid Maroufkhani - Hamed Azizi
11:35-11:55	1641	**Tensile Strength of PP/SiC Nanocomposites: Experimental Study and Micromechanical Modeling** **Mohammad Purhaji** - Mohammad Reza Nakhaei
11:55-12:15	1148	**Effect of Silica Localization on the Mechanical and Self-Healing Balance of Sulfur-Cured ENR/TPU Blends** **Mohammad Alimardani** - Hamidreza Sari

Venue: Hall B **Time:** 11:15-12:15
SESSION CHAIRS: Prof. Shahram Mehdipour & Dr. Helma Vakili
TOPIC: Polymer Synthesis and Characterization

11:15-11:35	1473	**Construction of a Nitrogen-Rich Porous Triazine-Linked Covalent Organic Polymer Using a Multifunctional Diol Building Block** **Roghayeh Aalizadeh Isini -** Mohammad Dinari
11:35-11:55	1441	**In-situ Oxidative Polymerization Of Polyaniline on the Ti3C2Tx (MXene) nanosheet** **Maedeh Jalilpour -** Omid Rafeie - Saeed Zeinali Heris
11:55-12:15	1448	**Synthesis and Characterization of a Styrene-Acrylic acid-Hydroxyethyl methacrylate Terpolymer for Adsorption of Methylene Blue from Aqueous Solutions** **Elham Sanaei -** Gholam Ali Koohmareh - Behnaz Ghalavand

Oral Presentation Schedule

Venue: Hall C **Time:** 11:15-12:15
SESSION CHAIRS: Prof. Ali Asghar Sabbagh Alvani & Dr. Hossein Eivaz Mohammadloo
TOPIC: Resins, Adhesives and Coatings

11:15-11:35	1526	**Investigating the Effect of Polyether-Polyester Copolyol on the Thermal, Rheological, and Adhesion Properties of Thermoplastic Polyurethane (TPU) Adhesives** **Mehrdad Elahy** - Mohammad Fasihi - Hassan Farokhzad
11:35-11:55	1114	**Crosslink-Density Controlled Thiol-Maleimide Microcapsules for Thermally Latent One-Component Epoxy Curing** **Sakineh Hajebi** - Hassan Fattahi - Mehrzad Mortezaei - Hamid Reza Heydarnezhad
11:55-12:15	1024	**Investigating the Capillary Behavior and Droplet Formation in Solvent-Based Inkjet Inks through Dimensionless Analysis** **Sara Javad Esfahani** - Mohsen Mohseni - Javad Shayegh

Venue: Hall D **Time:** 11:15-12:15
SESSION CHAIRS: Dr. Saeid Bahrami & Dr. Fatemeh Shokrolahi
TOPIC: Biopolymers, Biocompatible Polymers and Tissue Engineering

11:15-11:35	1279	**Synthesis and Characterization of Enzymatically and Physically Dual-Crosslinked Silk Fibroin/Chondroitin Sulfate Hybrid Hydrogels** **Maryam Farokhi**
11:35-11:55	1090	**Dynamic Mechanical Stimulation of Cell-Imprinted Substrates Enhances Osteogenic Differentiation of Stem cells** **Fatemeh Pouladzadeh -** Shadab Bagheri-Khoulenjnai
11:55-12:15	1091	**Toughening of Poly(lactic acid) with Plant Oils and Functionalized Plant Oils** **Amirreza Ahadi -** Amin Mortazavi - Hossein Ali Khonakdar - Farkhondeh Hemmati

Oral Presentation Schedule

Venue: Hall E **Time:** 11:15-12:15
SESSION CHAIRS: Dr. Mahmoud Parvazinia & Dr. Omid Moini Jazani
TOPIC: Modeling and Simulation / Polymers, Environment and Sustainable Development

11:15-11:35	1624	**Data-Driven Modeling of PMMA Polymerization for Process Control Using NARX and LSTM Networks** **Hosna Afshar aelam** - Ehsan Nazerfard - Abolfazl Dibaji - Mehdi Rafizadeh
11:35-11:55	1671	**Flow Modeling of Extruded Polypropylene into Cross-Die Head for Manufacturing Thermoplastic Composite Tapes** **S.M.A. Hosseini -** A. A. Yousefi
11:55-12:15	1659	**Soil Biodegradation Evaluation of PBAT/PAA Hydrogel Film Assemblies** **Nazanin Eslamipour** - Zahed Ahmadi

Venue: Hall F **Time:** 11:15-12:15
SESSION CHAIRS: Prof. Mahdi Salami-Hosseini & Dr. Saeid Talebi
TOPIC: Rheology and Polymer Processing

11:15-11:35	1118	**Melt Modification of Recycled Poly(lactic acid) with Joncryl 678: Rheological, Thermal, and Morphological Assessment** Fateme Abbasi - **Mohammad Vaziri** - Parastoo Pishe
11:35-11:55	1521	**Effect of Zinc Catalysis on the Linear Viscoelastic Behavior of Epoxy-Modified Poly(ethylene terephthalate)** **Parmida sadat Rasouli** - Hamid Garmabi - Zohreh Solouki
11:55-12:15	1273	**Preparation and Investigation of Rheological and Reprocessing Properties of Polyethylene Vitrimer and the Effect of CNT** **Ali Motamed -** Hossein Nazokdast - Fatemeh Goharpey - Mahdis Basati

Oral Presentation Schedule

Day 2: Wednesday, 18 November 2026
Time: 14:00 – 15:30

Venue: Hall A **Time:** 14:00-15:30
SESSION CHAIRS: Prof. Mohammadreza Nofar & Prof. Akbar Shojaei
TOPIC: Polymer Blends, Composites and Nanocomposites

14:00-14:30		**Keynote**: Prof. Mohammadreza Nofar, Istanbul Technical University, Istanbul, Turkey Enhancing Compatibilization Efficiency and Recyclability in Droplet–Matrix Polymer Blends
14:30-14:50	1105	**Hybrid Covalent-Ionic Networks in Peroxide-Cured Polybutadiene Rubber Containing Zinc Dimethacrylate** **Iman Abbasi Shahdehi -** Abbas Sheikh
14:50-15:10	1047	**Frictional Behavior and Structural Characterization of Exfoliated MoS2/Epoxy Novolac Composite Coatings** **Hossein Beiranvand** - Alireza Mahjub - Seyed Reza Ghaffarian
15:10-15:30	1205	**Development of Biodegradable PBAT Composites Reinforced with Electrospun PLA Mats** **Zahra sadat Ziabakhsh -** Ghodratollah Hashemi Motlagh - Mehdi Elhamnia

Venue: Hall B **Time:** 14:00-15:30
SESSION CHAIRS: Prof. Hossein Roghani-Mamaqani & Dr. Mohammad Barmar
TOPIC: Polymer Synthesis and Characterization / Smart and Functional Polymers

14:00-14:30		**Keynote**: Prof. Hossein Roghani-Mamaqani, Sahand University of Technology Advanced anticounterfeiting polymer inks
14:30-14:50	1299	**Tailoring Mechanical Performance and Surface Wettability of Biodegradable PBS-co-LA Copolyesters through Lactic Acid Content** **Sajedeh Mozafarpour -** Mehdi Rafizadeh
14:50-15:10	1706	**Oxazolidine- and Spiropyran-Modified Functional Copolymer Latex Nanoparticles for Smart Fluorescent Inks** **Sajjad Bagherian -** Ali Amiri - Amin Abdollahi
15:10-15:30	1745	**Design and Synthesis of Stretchable Conductive Hydrogels with Self-Healing and High Sensitivity for Advances Wearable Sensors** **Fardin Heydari -** Mahdi Bayat - Rasoul Shahamati - Zahara Mohamadnia

Oral Presentation Schedule

Venue: Hall C **Time:** 14:00-15:30

SESSION CHAIRS: Prof. Mohammad Hosain Beheshty & Dr. Saeideh Gorji Kandi

TOPIC: Resins, Adhesives and Coatings

14:00-14:30		**Keynote**: Prof. Mohammad Hosain Beheshty, Iran Polymer and Petrochemical Institute Development of an Optimal B-Staging Window for Epoxy-Based Composite Prepregs
14:30-14:50	1562	**Metal-Organic Framework as Reinforcing Agent in Dental Adhesives: Synthesis and Properties** **Faezeh Salmanzadeh** - Mohammad Reza Naimi-Jamal - Mohammad Atai
14:50-15:10	1576	**Synthesis and Characterization of Acrylic Pressure-Sensitive Adhesive for Ibuprofen Release in Transdermal Drug Systems** Sahar Amiri - **Martin Aghanians** - Sanam Amiri
15:10-15:30	1210	**Adhesion Under Fire: Z-α Master Curve Unravels the Nucleation-Growth Mechanism in Epoxy-Phenolic Adhesives** **MohammadHossein Karami** - Omid Moini Jazani

Venue: Hall D **Time:** 14:00-15:30

SESSION CHAIRS: Prof. Hamid Yeganeh & Dr. Masoumeh Haghbin Nazarpak

TOPIC: Biopolymers, Biocompatible Polymers and Tissue Engineering

14:00-14:30		**Keynote**: Prof. Hamid Yeganeh, Iran Polymer and Petrochemical Institute From Polyurethane Nanocarriers to Sustainable Non-Isocyanate Polyurethanes: Targeted and Stimuli-Responsive Platforms for Cancer Therapy
14:30-14:50	1520	**Cyclodextrin Inclusion Complexes Loaded with Silver Sulfadiazine in Electrospun PVA-Based Nanofibers for Controlled Drug Delivery and Antibacterial Activity** Sahar Amiri - **Martin Aghanians** - Sanam Amiri
14:50-15:10	1575	**Effect of Carboxymethyl Chitosan-Bioactive Glass Nanohybrid on the Printability and shape Fidelity of Alginate-Based Bioinks** **Hadis Khaksar** - Hadi Shirali - Shadab Bagheri-Khulenjani
15:10-15:30	1522	**Toughened Lignin Recovered from Paper-Making Byproduct with Epoxidized Natural Rubber** **Mahdi Kazemi Rad -** Shayan Yeganeh - Farkhondeh Hemmati

Oral Presentation Schedule

Venue: Hall E **Time:** 14:00-15:30
SESSION CHAIRS: Prof. Mehdi Salami-Kalajahi & Dr. Amir Babaei
TOPIC: Smart and Functional Polymers/ Polymers, Environment and Sustainable Development

14:00-14:30		**Keynote**: Prof. Mehdi Salami-Kalajahi, Sahand University of Technology Engineering Polymer Architectures for Sustainable Energy Technologies
14:30-14:50	1753	**Synthesis and Characterization of Silver Nanowire-Reinforced Gelatin/Polyacrylamide Double-Network Hydrogels as Smart Polymers** **Mahsa Raddadi -** Fatemeh Goharpey
14:50-15:10	1133	**Investigating the Piezoelectric Property of Silicone Rubber/ Zinc Oxide Nanocomposite for Pressure Sensing Application** **Mohammad Hossein Yousefi** - Rezvan Soltani - Mohammad Sadegh Soltanali
15:10-15:30	1158	**Effect of Graphene Oxide Nanosheet Size on the Filtration Performance of Water-Based Drilling Fluids** **Hossein Sharifi -** Fatemeh Goharpey - Mohsen Dehvedar - Amir Mohammad Ebadi - Ali Karimollahi

Venue: Hall F **Time:** 14:00-15:30
SESSION CHAIRS: Dr. Fatemeh Goharpey & Dr. Farhad Sharif
TOPIC: Rheology and Polymer Processing/ Polymer Synthesis and Characterization

14:00-14:30		**Keynote**: Dr. Reza Salehiyan, Edinburgh Napier University, Edinburgh, U.K. Rheological detection and monitoring of degradation in thermally sensitive polymers
14:30-14:50	1223	**Synthesis and Optimization of Tetrahydrofuran-Propylene Oxide Random Copolymer as a Polyether Binder for Composite Propellants** **Mohammad javad Bayat -** Yadollah Bayat
14:50-15:10	1261	**Filler-Controlled Vulcanization of Rubber Composites: Catalytic and Networking Effects** **Faezeh Razavi Zadeh** - Mehdi Razzaghi-Kashani - Mohammad Raef - Seyed Mostaffa Hosseini - Fatemeh Khakbaz
15:10-15:30	1274	**Rheological behavior of concentrated bimodal silica suspensions** **Mahdis Basati -** Fatemeh Goharpey - Ali Motamed

Oral Presentation Schedule

Day 2: Wednesday, 18 November 2026
Time: 16:00 – 17:00

Venue: Hall A **Time:** 16:00-17:00
SESSION CHAIRS: Prof. Ghasem Naderi & Dr. Saeedeh Mazinani
TOPIC: Polymer Blends, Composites and Nanocomposites

16:00-16:20	1255	**Effects of Polystyrene-Graft-Ground Tire Rubbers (PS-g-GTR) on the Mechanical Properties of PS/GTR Blends** **Akbar Amiri** - Zahra Khoubi-Arani - Mehdi Salami-Kalajahi - Mina Alizadeh-Agdam
16:20-16:40	1029	**Thermal Protection Performance of Carbon-Fiber-Reinforced (PICA) and Silica-Fiber-Reinforced (PISA) Phenolic Aerogels** **Reyhan Gholami -** Ahmad Reza Bahramian
16:40-17:00	1696	**Effect of Poly(methyl methacrylate) Molecular Weight in Core-Shell Processing Aids on the Processing Behavior of Rigid Poly(vinyl chloride)** Haniyeh Motalebi - **Mohammad Reza Gholizadeh** - Mahdi Abdollahi

Venue: Hall B **Time:** 16:00-17:00
SESSION CHAIRS: Prof. Elaheh Kowsari & Dr. MohammadAli Pourmohammadi
TOPIC: Smart and Functional Polymers

16:00-16:20	1593	**Synthesis of smart polyurethanes containing dual chain extenders and investigation of their light and pH responsiveness** **Mohammadreza Miralvar -** Milad Babazadeh-Mamaqani - Hossein Roghani-Mamaqani - Mostafa Rezaei
16:20-16:40	1045	**Inver Opal Preparation Method for Humidity Sensing** **Mohammadbagher Sobhanimatin**
16:40-17:00	1096	**Water Harvesting from Air using Hydrogels** **Fatemeh Amiri -** Mohammad Jalal Zohuriaan-Mehr - Kourosh Kabiri

Oral Presentation Schedule

Venue: Hall C **Time:** 16:00-17:00

SESSION CHAIRS: Dr. Mehran Rostami & Dr. Shahla Shekarriz

TOPIC: Resins, Adhesives and Coatings/ Polymer Synthesis and Characterization

16:00-16:20	1646	**Modulating the Anti-reflective Performance of Silica Coatings via Amphiphilic Triblock Copolymers** **Kiana Ashouri -** Hossein Yahyaei - Saeideh Gorji Kandi
16:20-16:40	1062	**A Comparative Performance Evaluation of Different HPMC and RDP in Dry-Mix Mortars** **Yasamin Khanjari -** Ali Almasganj - Kimia Rabiee
16:40-17:00	1634	**Synthesis and Characterization of Polyester Polyol-Based Polyurethane and Investigation of Its Dielectric Properties** **Ghazal Eslamian** - Hadi Shirali - Mehdi Rafizadeh

Venue: Hall D **Time:** 16:00-17:00

SESSION CHAIRS: Dr. Atefeh Solouk mofrad & Dr. Hakimeh Ghaleh

TOPIC: Biopolymers, Biocompatible Polymers and Tissue Engineering

16:00-16:20	1578	**Development of a Carboxymethyl Chitosan Sulfate Hydrogel for Three-Dimensional Breast Cancer Modeling** **Mobina Tohidian –** Narges Abili **-** Shadab Bagheri-Khoulenjnai - Abdollah Amini – Mahdi Tohidian
16:20-16:40	1648	**Dynamic Modeling of pH-Responsive Drug Release from Polymeric Hydrogels under Evolving Wound Microenvironments** **Faezeh Saffyari -** Ehsan Ghiasy Nick - Mohsen Shahrousvand
16:40-17:00	1750	**Electrospun Polyurethane/Rosemary/Zinc Oxide Composite Nanofibers as Potential Scaffolds for Tissue Engineering** **Mobina Rabiei -** Saeid Bahrami

Oral Presentation Schedule

Venue: Hall E **Time:** 16:00-17:00

SESSION CHAIRS: Prof. Mir Karim Razavi Aghjeh & Dr. Kourosh Kabiri

TOPIC: Polymers, Environment and Sustainable Development/ Biopolymers, Biocompatible Polymers and Tissue Engineering

16:00-16:20	1282	**Development and Characterization of CuPc-Loaded PLA Nanoparticles for Controlled Drug Delivery Systems** **Marzieh Orouji Hafez -** Javad Mokhtari
16:20-16:40	1759	**Synthesis and Characterization of Metakaolin-Based Geopolymer Activated by a Diatomite-NaOH Blend for Efficient Methylene Blue Adsorption** **Fatemeh Oshani -** Nargess Yousefi-Limaee - Fatemeh Beyk Mahabadi - Parisa Tanha
16:40-17:00	1052	**Solid-State PP-g-MA Compatibilization for Improved Mechanical Performance of PP/PET Textile Waste Recycling** **Fatemeh Dargahi** - Mohammad-Javad Hafezi

Venue: Hall F **Time:** 16:00-17:00

SESSION CHAIRS: Prof. Mohammad Karimi & Dr. Morteza Ghasemi

TOPIC: Polymer Physics and Physical Chemistry

16:00-16:20	1065	**Decoding the Thermomechanical Behavior of Drawn PET Filaments through Multivariate Structural Analysis** **Zahra Mahdavipour** - Mohammad Karimi
16:20-16:40	1535	**Development of Beta phase in PVDF via immersion precipitation 3D printing** **Atieh Janmaleki Dehchani –** Farhad Sharif – Shadab Bagheri-Khoulenjani
16:40-17:00	1362	**Elucidating the Crystal Structure and Crystallization Kinetics/Thermodynamics of a Synthesized Poly(butylene adipate) Diol** **Melika Akbarinejad** - Elham Najafi - Naser Mohamadi - Mehdi Rafizadeh

Oral Presentation Schedule

Day 3: Thursday, 19 November 2026
Time: 9:15 – 10:45

Venue: Hall A **Time:** 9:15-10:45
SESSION CHAIRS: Prof. Hamid Garmabi & Dr. Foroud Abbasi-Sourki
TOPIC: Polymer Blends, Composites and Nanocomposites

9:15-9:45		**Keynote**: Prof. Hamid Garmabi, Amirkabir University of Technology Morphology Engineering of PLA-Based Blends for Enhanced Oxygen Barrier Performance
9:45-10:05	1199	**Thermal Insulation Performance of Alumina-Felt-Reinforced Phenolic Aerogels for Building Applications** **Nikta HasaniNasab -** Reza Poursalehi - Ahmadreza Bahramian
10:05-10:25	1494	**Thermophysical Evaluation of PEG-Based Phase Change Materials for Human Thermal Comfort Management** **Shokouh Ahmadvand -** Nadere Golshan Ebrahimi - Ahmadreza Bahramian
10:25-10:45	1503	**Synergistic Effects of Ammonium Polyphosphate and Pentaerythritol on the Flame Retardancy of Polypropylene** **Mahshid Maroufkhani -** Alireza Rastegar Koohi - Ali Keshavarz Tork

Venue: Hall B **Time:** 9:15-10:45
SESSION CHAIRS: Prof. Ali reza Mahdavian & Prof. Javad Mokhtari
TOPIC: Smart and Functional Polymers

9:15-9:45		**Keynote**: Prof. Ali Reza Mahdavian, Iran Polymer and Petrochemical Institute Chromogenic Materials: Thermochromic Polymers for the Advanced Stimuli-responsive Systems
9:45-10:05	1190	**Effect of matrix flexibility and polarity on the photochromic behavior of spiropyran-doped acrylate films** **Seyed Hossein Hosseini Kakhk -** Jaber Keyvan Rad - Hamid Salehi-Mobarakeh - Ali Reza Mahdavian
10:05-10:25	1341	**Preparation of pH-responsive thermoplastic polyurethane/azobenzene with reversible halochromic behavior for anti-counterfeiting applications** **Mehdi Hajipour -** Mohammadreza Miralvar - Hossein Roghani-Mamaqani - Mostafa Rezaei
10:25-10:45	1359	**Photothermal properties of polyurethane/graphene derivatives nanocomposites** **Sanaz Zare-Kochemeshki -** Ahmadreza Tabbakhi- Mamaqani - Mostafa Rezaei - Hossein Roghani-Mamaqani

Oral Presentation Schedule

Venue: Hall C **Time:** 9:15-10:45
SESSION CHAIRS: Prof. Zahra Ranjbar & Prof. Mohammadreza Mohammadzadeh Attar
TOPIC: Resins, Adhesives and Coatings

9:15-9:45		**Keynote**: Prof. Zahra Ranjabar, Institute for Color Science and Technology The Invisible Revolution: How Advanced Coatings Are Redefining Material Intelligence
9:45-10:05	1099	**Quantitative Investigation of Interfacial Adhesion in Polymer Nanocomposites Based on Pukanszky and Lewis-Nielsen Mechanical Models** **MohammadHossein Karami** - Omid Moini Jazani
10:05-10:25	1278	**Iron Phosphide as a Co-Pigment in Zinc-Rich Epoxy Coatings: Corrosion Studies** **Sheyda Moradi -** Mohsen Mohseni - Esmaeil Akbarinejad
10:25-10:45	1656	**Synthesis and investigation of water-based Acrylic peelable resins using core-shell procedure** **Shahrzad Najafi -** Ahmad Rezvani boroujeni - Arezoo Masaeli

Venue: Hall D **Time:** 9:15-10:45
SESSION CHAIRS: Prof. Mostafa Rezaei & Dr. Shervin Ahmadi
TOPIC: Circular Economy in Polymers

9:15-9:45		**Keynote**: Prof. Mostafa Rezaei, Sahand University of Technology From Chemorheological Fundamentals to Industrial Scale-Up: Engineering Reaction Kinetics for TPU Production
9:45-10:05	1229	**Polymeric Membranes in the Circular Economy From Water Reuse to Resource Recovery** **Mohammad Alizadehfard**
10:05-10:25	1604	**Effect of Lifting the Ban on Polymer Compound Exports on Virgin Polymer Demand at the Iran Mercantile Exchange: A Reconciliation with Customs Statistics** **Mohammadreza Moavenian** - Seyed Emadodin Shakeri
10:25-10:45	1221	**Thermoplastic Polyesters Recycling: Hydrolases Process Parameters** **Tayebeh Sangchi** - Zahed Ahmadi

Oral Presentation Schedule

Venue: Hall E **Time:** 9:15-10:45

SESSION CHAIRS: Prof. Mohammad Jalal Zohurian Mehr & Dr. Zahed Ahmadi

TOPIC: Polymers, Environment and Sustainable Development

9:15-9:45		**Keynote**: Prof. Sanaa A hafad, University of Technology, Iraq. Evaluating the life cycle and biodegradability performance of biodegradable polymer/polyethylene blend membranes: Towards a sustainable environment
9:45-10:05	1445	**Spent Coffee Grounds Lignin as an Sustainable Bio-Based Reinforcing Filler for Carboxylated Acrylonitrile-butadiene Rubber** **Atena Shiri -** Seyed Mostaffa Hosseini
10:05-10:25	1698	**Synergistic effects in graphene oxide and copper oxide hybrid for industrial dye treatment** **Parsa Teimoori -** Porya Ansa - Amir Babaei
10:25-10:45	1553	**A Hierarchical CMC/ MOF on MOF Photocatalyst for Visible Light Doxycycline Degradation** **Bahareh Rabeie -** Niyaz Mohammad Mahmoodi

Venue: Hall F **Time:** 9:15-10:45

SESSION CHAIRS: Dr. Omid Moini Jazani & Prof. Mohsen Mohseni

TOPIC: Polymer Physics and Physical Chemistry / Advanced Polymers with high added value

9:15-9:45		**Keynote**: Dr. Omid Moini Jazani, University of Isfahan A new platform for designing high-performance epoxy film adhesive with UiO-66 and amine-functionalized UiO-66 in aluminum- aluminum bonded joints
9:45-10:05	1566	**Effect of β-Nucleating Agent Type on Crystallization Kinetics and Impact Strength of Polypropylene Random Copolymer (PP-R)** **Amin Kamkar**
10:05-10:25	1293	**Thermal annealing of poly(vinylidene fluoride) before crystallization helps growing the polar phases** **Maryam Mahboubi -** Mina Alizadehaghdam - Zahra Khoubi-Arani
10:25-10:45	1207	**Evaluation of Domestic Polyurethane Binder Systems for Cold-Box Foundry Cores** **Reza Anvari Zarch -** Mehraveh Dolatabadi - Gholam Ali Farzi - Bahman Koroji - Zeinab Jarrahi

Oral Presentation Schedule

Day 3: Thursday, 19 November 2026
Time: 11:15 – 12:15

Venue: Hall A **Time:** 11:15-12:15
SESSION CHAIRS: Prof. Ali Akbar Yousefi & Dr. Foroud Abbasi-Sourki
TOPIC: Polymer Blends, Composites and Nanocomposites

11:15-11:35	1461	**Interfacial Hybrid Networks in Segregated HDPE/$Bi_{0.5}Sb_{1.5}Te_3$ Composites for Enhanced Electrical Conductivity** **Mohammad Hosseinzadeh** - Seyed Abdolkarim Sajjadi - Samaneh Sahebian - Hossein Vafaeenezhad
11:35-11:55	1555	**Mechanical Properties of Epoxy Resin Modified with Pistacia atlantica Gum and Silica-Clay Particles: Optimization Using the Taguchi Method** **Kasra Yari -** Bafrin Hamze - Afsaneh Mohammadpour - Sohrab Rahmani - Hoda Nassira - Mir Saeed Seyed Dorraji
11:55-12:15	1717	**Chemical Foaming of PLA/PBAT/Carbonaceous Nanoparticles by 3Dprinting: Effects of Geometric Shape of on Physical and Mechanical Properties** Alireza Ramezani - Amirhossein Akbari - Saeid Sabzekar - **Mohammad Reza Nofar** - Farkhondeh Hemmati

Venue: Hall B **Time:** 11:15-12:15
SESSION CHAIRS: Prof. Majid Abdouss & Prof. Payam Molla Abbasi
TOPIC: Smart and Functional Polymers

11:15-11:35	1574	**Fabrication of Metal-Organic Framework/Polymer Composites as Acidochromic Labels** **Matin Abouei -** Sana Nikseresht-Barenjinazhad - Fatemeh Heidary-kehi - Moein Mohammadi-Jorjafki - Milad Babazadeh-Mamaqani - Hossein Roghani-Mamaqani
11:35-11:55	1073	**Self-Powered Flexible Piezoelectric Sensor Based on PVDF/BaTiO3 Nanocomposite for Mechanical sensing and Energy Harvesting** **Zeynab Tavakoli -** M.M Abolhasani
11:55-12:15	1481	**Bio-Based Fluorescent Nanocomposites for Sustainable Anticounterfeiting Applications** **Mehrshad Bazdar -** Neda Dastpak - Moein Mohammadi-Jorjafki - Milad Babazadeh-Mamaqani - Hossein Roghani-Mamaqani

Oral Presentation Schedule

Venue: Hall C **Time:** 11:15-12:15
SESSION CHAIRS: Prof. Mohsen Mohseni & Dr. Hossein Yari
TOPIC: Resins, Adhesives and Coatings

11:15-11:35	1104	**Correlating Non-Isothermal DSC Curing Parameters with Adhesion Performance of Epoxy Nanocomposites: A Predictive Approach** **MohammadHossein Karami** - Omid Moini Jazani
11:35-11:55	1605	**Synthesis of Monodisperse Silica Nanoparticles and Water-Based Acrylic Binders for Crack-Free Photonic Crystal Films** **Seyed Roham Taheri -** Sahar Foroughirad - Amir Rezvanimoghadam
11:55-12:15	1609	**The effect of polyols composition on the mechanical properties and colloidal stability of waterborne polyurethanes** **Ahmadreza Tabbakhi-Mamaqani -** Mostafa Rezaei - Hossein Roghani-Mamaqani

Venue: Hall D **Time:** 11:15-12:15
SESSION CHAIRS: Prof. Zahra Shariatinia & Dr. Majid Ghias
TOPIC: Modeling and Simulation

11:15-11:35	1482	**Spatially Resolved 2D Transport Model for Multi-Component Drying of Cast Nafion Films Under Infrared-Convection Heating** **Fereidoon Mohammadi -** Barman Abdali - Mir Hamid Reza Ghoreishy
11:35-11:55	1511	**Investigating the Binding Ability of Polyurethane Binder with Copper Current Collector using Molecular Dynamics Simulation** **Fatemeh Yazdanpanah -** Maral Ghahramani
11:55-12:15	1287	**Parametric Investigation of Interphase and Geometric Effects on the Tensile Modulus of Polymer-Hydroxyapatite Nanocomposites Using the Modified Hui-Shia Model** **Sara Parvardeh -** Jafar Khademzadeh Yeganeh - Yasser Zare

Oral Presentation Schedule

Venue: Hall E **Time:** 11:15-12:15

SESSION CHAIRS: Prof. GholamAli Farzi & Prof. Saeed Bazgir

TOPIC: Polymers, Environment and Sustainable Development / Polymer Blends, Composites and Nanocomposites

11:15-11:35	1369	**Reusable ZIF-8/Ag Nanoparticle-Coated Cotton Fabric for the Degradation of Dye Pollutants** **Kia Attari** - Shahla Shekarriz - Majid Montazer - Zahra Shariatinia - Javad Mokhtari
11:35-11:55	1381	**Morphological, Mechanical, and Thermal Properties of HDPE Reinforced with Microcrystalline Cellulose through Rotational Molding** Barmak Ghanbarpour - Amin Moslemi - **Naghmeh Jamshididolatabadi**
11:55-12:15	1744	**Preparation of Chitosan/Sulfonated Polybutylene Fumarate Nanocomposite Membranes with Imidazole-Functionalized Multi-Walled Carbon Nanotubes for Direct Methanol Fuel Cells** **Mehdi Ghasempour -** Ana Sharifipour - Mahdi Tohidian - Shayan Navabi - Mohammad Mahdi Malakouti - Mehdi Zolfi Zinab - Abolfazl Zakeri

Venue: Hall F **Time:** 11:15-12:15

SESSION CHAIRS: Prof. Hossein Ali Khonakdar & Dr. Abbas Mohammadi

TOPIC: Advanced Polymers with high added value

11:15-11:35	1548	**Effect of 3D Printing Parameters on the Mechanical Properties of Urethane Acrylate-Based Photosensitive Resin** **Kaveh Sharifiyan -** Morteza Nasiri
11:35-11:55	1763	**Unveiling the Mechanistic Transition in Bulk Polyesterification: A Synergistic Study of Acid-Dimer Catalysis and Diffusion-Limited Growth** **Sajad Sheikhi -** Mehdi Rafizadeh
11:55-12:15	1661	**Effect of Fennel Essential Oil on the Mechanical Properties of Carboxymethyl Cellulose-Based Edible Films and the Shelf Life of Apple** **Hakime Tavassoli -** Hossein Yahyaei