

19 December, 2017			
Molana Hall			
8:00-9:00		Registration	
9:00-9:30	Opening ceremony	Dr. Motamedi Dr. Mohammadi Dr. Sarabi	
9:30-9:45	to be announced	Mr. Aghili	
9:45-10:00	to be announced	Mr. Yeghane samar	
10:00-10:45	Emerging technologies in polymers and coatings, part 1	Prof. Baghdachi	
10:45-11:15			
Break & Exhibition			
11:15-11:35	Importance of coating on corrosion prevention	Dr. Parvizi	
11:35-12:00	Thermal energy storage coatings	Dr. Ranjbar	
12:00-12:25	Nanotechnology and its applications	Prof. Kanani	
12:25-12:45	Biomimetic icephobic coatings	Dr. Momen	
12:45-13:00			
Poster & Exhibition			
13:00-14:00			
Lunch			
Bahman Hall		Fajr Hall	
Surface Coatings: 14:00-15:30		Nano-Materials: 14:00-15:30	
Panel Members: Dr. Attar, Dr. Ashhari		Panel Members: Dr. Sabbagh , Dr. Rostami	
14.00-14:30	Basics and principles of low-VOC formulations Prof. Brock	14.00-14:30	Nano-coatings in SPR chips: Recent improvements Dr. Falamaki
14:30-14:50	Investigation the effect of waste tire powder toughener and silica filler in epoxy based adhesive on bonding strength of metal-composite joints	14:30-14:50	Surface modification of nanoceria for improving the interaction between nano particle and polymer: the effect of pH on the surface chemistry of sulfide silane treated nanoceria
14:50-15:10	Improving adhesion of drop-on glass beads to the cold plastic road markings	14:50-15:10	Synthesis of nanostructured tungsten oxide thin film
15:10-15:30	Self-healing waterborne polyurethane coating containing high loaded silica capsules	15:10-15:30	Poster
Break & Posters			
15:30-16:00			
Colorants:16:00-17:10		Nano-Materials: 16:00-17:10	
Panel Members: Dr. Gharanjig, Dr. Shekarriz		Panel Members: Dr. Makki, Dr. Mirabedini	
16:00-16:30	Functional colorants Presented by Dr. Rouhani	16:00-16:30	Synthesis and characterization of CuSbS ₂ particles for solar cell applications
16:30-16:50	Synthesis and photophysical evaluation of a novel thiophene-based fluorescent dye	16:30-16:50	Optical absorption of rhodamine 6G dye doped PMMA thin films in presence of silver nanoparticles for optical limiting
16:50-17:10	Solution combustion synthesis of electrochromic TiO ₂ :NiO nano powders	16:50-17:10	NiZnFe-layered double hydroxide nanosheets used as highly efficient electrocatalyst for oxygen evolution

20 December, 2017			
Bahman Hall		Fajr Hall	
Surface Coatings: 9:00-10:50 Panel Members: Dr. Ebrahimi, Dr. Pazoki Fard		Color Physics: 9:00-10:50 Panel Members: Dr. Gorji, Dr. Ansari	
9:00-9:30	Cathodic disbonding Presented by Dr. Attar	9:00-9:30	Effect of light sources on spectral and colorimetric information of objects Presented by Dr. Amirshahi
9:30- 9:50	Intelligent chitosan/PVA composite film with anthocyanins from black carrot for food coating applications	9:30- 9:50	The best possible set of sensors-filters for spectral estimation
9:50-10:10	Nondestructive evaluation of adhesion and the effect of mechanical and viscoelastic properties of polyurethane coatings on their acoustic behavior	9:50-10:10	Effect of chromatic base coat on texture features of metallic coatings using the Gray Level Co-occurrence Matrix
10:10-10:30	Anti-corrosive non-toxic lanthanum-based conversion coating on hot dip galvanized steel	10:10-10:30	Identification of inorganic pigments in painting using mathematical description of reflectance spectrum
10:30-10:50	Effect of direct introduction of benzazole organic corrosion inhibitor on the behavior of ZPA based anticorrosive epoxy coating	10:30-10:50	Two different interpretations of yellow appearance in the Holy Quran
10:50-11:20 Break & Posters			
Surface Coatings: 11:20-13:00 Panel Members: Dr. Mohseni, Dr. Yahyaei		Industrial panel/ Environmental Aspects of Related Industries: 11:20-12:40 Panel Members: Dr. Zareei, Eng. Kassiriha	
11:20-11:40	Development of self-healing coatings based on microcapsules filled with active agents Presented by Dr. Mirabedini	11:20-11:40	Photocatalytic dye removal of colored wastewater using TiO ₂ and TiO ₂ /Zr nanocomposites
11:40-12:00	Corrosion performance of a self-healing PU coating containing IPDI-filled microcapsules and nanoclay	11:40-12:00	Assessing environmental aspects of painting processes in an automotive industry using the method of failure modes and effects analysis FMEA
12:00-12:20	Improvement of corrosion resistance of zinc rich epoxy coating by functional graphite nanoplatelets	12:00-12:20	Decolourization of reactive black 5 by a nanophotocatalytic process UV/ ZnO:Nd; a kinetic study
12:20-12:40	The study of corrosion inhibition of poly methacrylate-co-acrylamide on carbon steel in a simulated concrete pore solution	12:20-12:40	Design and synthesis of chemical sensor using metal-organic framework for the detection of cyanide
12:40-13:00	The effect of immersion time on electrochemical behavior of vanadium conversion coating modified with adipic acid	Poster session 12:40-13:00	
13:00-14:00 Lunch			

20 December, 2017			
Bahman Hall		Fajr Hall	
Surface Coatings: 14:00-15:40 Panel Members: Dr. Khorasani, Dr. Zareei		Polymeric Membranes : 14:00-15:40 Panel Members: Dr. Shariatinia, Dr. Shekarriz	
14:00-14:30	Simulation study of photo-degradation process of a coating Presented by Dr. Makki	14:00-14:20	New polymeric membranes and their applications Presented by Dr. Karimi
14:30-14:50	Synthesis and characterization of multilayer core-shell styrene/acrylate latex	14:20-14:40	Preparation of PSF-based cation exchange membranes: Electrochemical characterization and transport properties of some mono and bivalent cations
14:50-15:10	Waterborne UV- curable polyurethane coatings: Synthesis, characterization	14:40-15:00	Thermoregulating core-shell nanofiber/net membrane as a protective layer
15:10-15:30	Preparation and investigation of a hydrophilic and photocatalytic polyacrylic based coating modified by TiO ₂ /activated carbon nanocomposite	15:00-15:20	Tracking the phase behavior of light hydrolyzed and oxidized cellulose acetate membrane
15:30-15:40	Barad co.- to be announced	15:20-15:40	Preparation of a novel antibacterial mixed matrixed PES membrane fabricated from embedding Ag ₃ PO ₄ /g-C ₃ N ₄ nanocomposite
15:40-16:00 Break & Posters			
20 December, 2017 Molana Hall			
16:00-16:15		Dr. Garmabi	
16:15-16:45	Emerging technologies in polymers and coatings, part 2	Prof. Baghdachi	
16:45-17:05	Khayyam in the perspective of foreign scientists	Prof. Kanani	
17:05-17:30	Closing ceremony		
21 December, 2017 Workshops			