

# Technical program ICAPC 2009

Tuesday, 17 November 2009

8:00-11:00

8:00 - 9:00	Registration
9:00 - 10:30	<b>Opening Ceremony (Hall A)</b>
10:30 - 11:00	Break, Visiting Exhibition & Poster Presentation

## Hall C

11:00 – 11:30

Keynote Lecturer

**Dr. Z. Ranjbar**

Institute for Color Science and Technology

### **New Developments and Trends in Automotive Paint and Coatings**

11:30 - 12:30

Session 1: Nano Technology in Automotive Coatings

**Chairpersons: Dr. S. Rastegar, Mr. Motamed, Dr. Z. Ranjbar**

Time	Title	Presenter
11:30 - 11:50	Sol-Gel based coatings: A land of opportunity	M. Mohseni <b>Amirkabir University</b>
11:50-12:10	The effect of weathering on viscoelastic and mechanical properties of automotive clearcoat containing hydrophobic nano-silica	N.Tahmasebi *, S. Moradian, H.Yari <b>Azad University of mahshahr, Amirkabir University</b>
12:10-12:30	Immerging nano technologies for removing of heavy metal pollutants from the water.	M. Sadri <b>Zamyad Co.</b>

12:30 - 13:30

**Lunch Break and Pray**

13:30 - 14:00

**Visiting Exhibition and Poster Presentation**

14:00 - 15:30

Session2: Corrosion in Automotive

**Chairpersons: Dr. M. Mahdavian, Dr. M.R. Mohammadzadeh Attar, Dr. B. Naderi**

Time	Title	Presenter
14:00-14:20	The challenges and approach in automotive paint industry	H.R. Amini <b>Iran khodro Co.</b>
14:20-14:40	Managing corrosion of outer surface of automotive steel fuel tank by polymeric coating	E. Abbasi*, M. Ahmadi, M. Salmani <b>Islamic Azad University, Bahman motors</b>
14:40-15:00	Investigating the effect of chemical treatments on corrosion behavior of carbon steel via electrochemical noise and polarization methods.	S. Tahmasebi*, M.R. Mohammadzadeh Attar <b>Amir Kabir University</b>
15:00-15:20	Prediction of coating behavior with statistical method	M. Motamed, H. Chadleh <b>Iran Khodro</b>

15:30 - 16:00

**Break, Visiting Exhibition and Poster Presentation**

16:00 – 17:30

Session3: Physical and Mechanical Properties

**Chairpersons: Dr. N. Tahmasebi, Dr. S. Rastegar, Mr. H.R. Amini**

Time	Title	Presenter
16:00-16:20	Investigation of the cathodic electrodeposition effect on the phosphate layer, on steel, galvanized steel and electrogalvanized steel substrate	N. Akbarzadeh, M.R. Mohammadzadeh Attar <b>Khosh Paint Co. Amirkabir University</b>
16:20-16:40	Color match prediction for munsell system using artificial neural networks	S. Moradian *, N. Kazemargi <b>Amirkabir University</b>
16:40-17:00	A study of biological degradation of an automotive clear coat using different analytical techniques	B.Ramazanade *, M. Mohseni, H.Yari <b>Amirkabir University</b>
17:00-17:20	An investigation on effects of electroless nickel- phosphorous coating and heat treatment on corrosion resistance of carbon steel	T. Rabizade*, S.R. Allahkaram, A. Zarebidak <b>University of Tehran</b>

**Wednesday, 18 November 2009**

**9:00 – 9:30**

**Keynote Lecturer**

**Mr. Emami**

**Paint & Resin Manufacturers Association of Iran**

**Effect of Automotive OEM Coatings on Quality, Cost and Beauty**

**9:30 – 10:30**

**Session4: Process and Applications**

**Chairpersons: Dr. Z. Ranjbar, Dr. M. Khorasani, Mr. Emami**

Time	Title	Presenter
9:30-9:50	Control of ED layer thickness on surface body with the taign	Mr. S. Zargarani <b>Parskhodro Co.</b>
9:50-10:10	Optimizing the coating weight in Iran khodro paint shop	L. Azimian <b>Iran Khodro Co.</b>
10:10 -10:30	Influence of residual protective oil on physical and mechanical properties of automotive coating system	H. Fasihi, M. Mohammad Raei, A. Ghanbari, S.M.Kasiriha <b>Amirkabir University of Technology, Institute for Colorants, Paints and Coatings</b>

**10:30 - 11:00**

**Break, Visiting Exhibition & Poster Presentation**

**11:30 - 12:30**

**Session5: Formulation and Raw Materials**

**Chairpersons: Dr. M. Mahdavian, Dr. M. Ebrahimi, Mr. M. Motamed**

Time	Title	Presenter
11:00-11:20	Rust preventive wax for automobile	Z. Jalambadani <b>Iran Khodro Co.</b>
11:20-11:40	Comparison of water borne and solvent base paints curing.	S. Heydari, S. Nasiri Doost , E.Gharibi <b>Saipa Co.</b>
11:40-12:00	The effect of basecoat pigmentation on chemical structure and surface topology of an automotive basecoat/clearcoat system during weathering	H.Yari*, S. Moradian, B.Ramazanade , A. Kashani1, M.Niknahad <b>Amirkabir University , ITRAC Co.</b>
12:00-12:20	The challenges of different parameters on acrylic polyol copolymer properties used in automotive clear coats	M.Khorassani*, M.Safar zadegan, M.Momenzadeh <b>Taak Resin , Simab Resin</b>

**12:30 - 13:30**

**Lunch Break and Pray**

**13:30 - 14:00**

**Visiting Exhibition and Poster Presentation**

**14:00 - 15:30**

**Session6: Pretreatments**

**Chairpersons: M. Kasiriha, Mr. S. Zargarani, Mr. B. Naderi**

Time	Title	Presenter
14:00-14:20	Influence of protective oil on properties of automotive phosphate layer	A.Ghanbari, M. Mohammad Raei, H. Fasihi, S.M.Kasiriha <b>Amirkabir University, Institute for Colorants, Paints and Coatings</b>
14:20-14:40	Research on effective parameters for decrease amount of sludge at phosphate bath of automotive industry	Kameliya Ghaffarzade <b>Iran Khodro</b>
14:40-15:00	An Update of New Conversion Coating for the Automotive Industry	T. R. Giles , B. H. Goodreau , W. E. Fristad , J. Kroemer , M. Frank , S. Saatchi <b>Henkel Co. Henkel KGaA</b>

**15:00 - 15:30**

**Break, Visiting Exhibition and Poster Presentation**

**15:30-16:00**

**Exchanging Insights, Experiences and Knowledge**

**Hall A**

**16:00 – 17:30**

**Closing Ceremony**