

ADVANCED SURFACES: CHARACTERIZATION & PERFORMANCES

MILAN May 18 2017

PROGRAM / POSTER

08:30	Introduction
Session 1	AUTOMOTIVE (application plants, in-line control, required performances)
09:00	Main lecture Evolution in the automotive paint shop <i>A. Di Lucrezia - GEICO Taikisha</i>
09:30	Lecture Nitrotherm use with Rotary Bell. Trial with Solventborne Material <i>N. K. Akafuah - University of Kentucky - Eurosider</i>
9:50	Lecture Innovative car body paint curing from the inside <i>Johannes T. Grobe - Durr PFS</i>
10:10	Lecture Electro-optical materials characterization for multifunctional plastic automotive radio/nav. Surfaces <i>M. Marguerite Dugand - Centro Ricerche Fiat</i>
10:30	Lecture Aluminum alloy wheels: surface treatments (tentative title) <i>C. Montesano, M. Mora - Fondmetal</i>
10:50 - 11:15	Break
Session 2	ARCHITECTURE & DESIGN (materials and colours control)
11:15	Main lecture Perception and protection properties of paints with different colour pigments <i>S. Rossi, M. Fedel, F. Deflorian - Università di Trento</i>
11:45	Lecture Evolution of color Language <i>F. Valan - Associazione del Colore</i>
12:05	Lecture Innovative and functional effects in coating <i>S. Corrado - Merck</i>
12:25- 14:00	Main Break
Session 3	PAINT APPLICATIONS (Pre-treatments, Finishing)
14:00	Main lecture Surface modification and patterning of UV-cured coatings <i>R. Bongiovanni, E. Ozzello, A. Vitale - Politecnico di Torino</i>
14:30	Lecture Super-durable polyester-based powder coatings for heat-transfer decoration - chemistries and technologies <i>T. Rossini, G. D'Ambrosio - Akzo Nobel</i>
14:50	Lecture Silicon alkoxides pre-treatments prior to painting: successes and failures <i>M. Fedel, S. Rossi, F. Deflorian - Università di Trento</i>
15:10 - 15:35	Break
Session 4	METAL (organic special coatings)
15:35	Main lecture Techniques for real time process control in thin film deposition <i>S. Luridiana - Tecnovacuum</i>
16:05	Lecture Surface finishing of metallic parts processed by additive manufacturing <i>A. Falzetti, N. Lecis, A. Redaelli, M. Vedani - Politecnico di Milano</i> <i>A. Giussani, L. Sala - Rösler Italiana</i>
16:25	Lecture Mechanically induced surface nanocrystallization of AZ31 Mg alloy by Severe Shot Peening <i>S. Bagherifard, M. Guagliano - Politecnico di Milano</i>
16:45	Closing

ADVANCED SURFACES: CHARACTERIZATION & PERFORMANCES

MILAN May 18 2017

POSTER 1	Evaluation of paint degradation through thermogravimetric methods <i>M. Pinali, and P. Gronchi</i>
POSTER 2	The use of carbon dioxide in the cleaning and surface preparation for the nanotechnology and metallurgy of high value alloys - Plastics <i>S. Di Pierro - Fismet</i>
POSTER 3	New perspectives for coil coating <i>S. Bianchi - Novelis-Adityabirla</i>
POSTER 4	Al in waste water as emblematic problem for the EU normative on sewer water <i>P. Gronchi¹ and G. Barbarossa²</i>
POSTER 5	An investigation on the properties of Cr thin films deposited by hot and cooled cathode magnetron sputtering <i>M. Bestetti^{1,2}, A. Vincenzo¹, S. Franz¹, M.F. Brunella¹, F. Chigioni¹, D.V. Sidelev², G.A. Bleykher² and V.P. Krivobokov²</i>
POSTER 6	EC minicell: a miniaturized tool for localized electrochemical measurements <i>M. Bestetti¹, A. Vincenzo¹, S. Franz¹, C. Borioli², B. Giacomel³ and M. Grifone³</i>
POSTER 7	OxSilan Thin Film Technology <i>A. Monti - Chemetall</i>
POSTER 8	LCA for ceramic enamel <i>P. Gronchi, G. Dotelli</i>
POSTER 9	Aluminium for architecture <i>G. Barbarossa - AITAL; R. Boi - Qualital</i>
POSTER 10	The certification as a support of the quality of surface finishes on aluminum <i>R. Boi - Qualital</i>