

SCIENTIFIC PROGRAMMA

2nd “MUST” WORKSHOP

Self-healing Coatings: Effectiveness and Implementation

28. June 2010, Noordwijk, The Netherlands

ROOM - Koninginnezaal	
08:15-08:45	Registration
08:45-09:00	Welcome Theo Hack, MUST Project coordinator
SCIENTIFIC SESSIONS	
Chairperson: M.F. Montemor	
09:00-09:30	<i>Self-healing protective coatings: nightmare or reality? Promises versus limitations</i> M. Zheludkevich, University of Aveiro, Portugal
09:30-10:00	<i>A critical comparison of routes towards self healing materials and coatings</i> S. Zwaag, Technical University Delft, the Netherlands
10:00-10:30	<i>Needs, perspectives and challenges for application of self-healing protective coatings in aerospace industry</i> Theo Hack, EADS IW, Munich, Germany.
10:30-11:00	Coffee Break
11:00-11:30	<i>A coating combination of self-healing polymers and corrosion inhibitors for active corrosion protection of metals</i> I.De Graeve, Vrije Universiteit Brussel, Belgium
11:30-12:00	<i>Fundamental understanding of self-repair processes: Aspects of de-adhesion and corrosion</i> G. Grundmeier, University of Paderborn, Germany
12:00-12:30	<i>Development and characterization of self-healing anticorrosive organic coatings</i> S.J. Garcia, Delft University of Technology, The Netherlands
12:30-13:30	LUNCH
Chairperson: C. Simon	
13:30-14:00	<i>Modelling of multifunctional anticorrosion coatings</i> Zbislaw Tabor, Piotr Warszynski
14:00-14:30	<i>Inhibition of Underfilm Corrosion on Aluminium and Zinc surfaces by in-coating Smart Release Pigments</i> G. Williams, Swansea University, United kingdom
14:30-15:00	<i>Production of nanomaterials at industrial scale – from nanoparticles to nanocontainers</i> S. Eiden, Bayer Technology Services GmbH
15:00-15:30	Coffee Break
15:30-16:00	<i>Self-healing coatings for the corrosion protection of magnesium alloys: embedding encapsulated corrosion inhibitors into anodizing layers</i> D. Tabatabai, Dechema, Frankfurt, Germany
16:00-16:30	<i>Mathematical Model for Bacterial Self Healing of Cracks in Concrete</i> S.V.Zemskov; Delft University of Technology
16:30-17:00	<i>Development of flexible LEO resistant PI films for space applications using a self-healing mechanism by surface directed phase separation of block copolymers</i> H. R. Fischer, TNO Science and Technology, Eindhoven, The Netherlands
17:00-17:30	Poster Session
17:30-18:30	Industrial Reference meeting (round table) Moderator: M. Zheludkevich