

WEDNESDAY, 4 September

Ageing, Modelling, Kinetics, Property and Lifetime Prediction

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| | CHAIR: L WHINNERY SNL(CA), USA | |
| 8:30 - 9:00 | PLENARY - Dr Mat CELINA Sandia Labs, NM, USA | From Simple Epoxy Adhesives to a Foundation in Materials Aging |
| 09:00 - 9:20 | Dr Elizabeth GLASCOE Lawrence Livermore, CA, USA | Reaction, Sorption, and Transport (ReSorT) modelling to predict material and system level-compatibility |
| 9:20 - 9:40 | Mr. Joseph TORRES Los Alamos, NM, USA | Effect of RTV Silicon Foam Resin Age on Material Properties |
| 9:40 - 10:00 | Dr Karin JACOBSON PDS Consulting, Sweden | Polyolefins in chlorinated disinfectants |
| 10:00 - 10:20 | Dr Sebastien ROLAND ENSAM, Paris, France | Thermo-oxydative Ageing of Poly(ether ketone ketone) explained through Multi-scale Analyses |
| 10:20 - 10:50 | COFFEE BREAK | |
| | CHAIR: Dr. H. WEBER NSCKC, USA | |
| 10:50 - 11:10 | Dr Joel FOREMAN University of Sheffield and DSTL | Developing an Accelerated Ageing Methodology-Practical and Modelling Approach |
| 11:10 - 11:30 | Dr Sue ALSTON Swansea University and DSTL | Practical methods for assessing hygrothermal degradation of carbon / phenolic composites – what works and what doesn't |
| 11:30 - 11:50 | Dr Anja KOMMLING Berlin, Germany | Comparison of Different Test Methods for Lifetime Prediction of O-ring Seals |
| 11:50 - 12:10 | Mr. Antoine BARDIN PIMM, Paris, France | Kinetic model predicting mechanical properties change of polyurethane thermoplastic elastomers undergoing hydrolysis |
| 12:10 - 13:30 | LUNCH | |
| | ALL POSTERS to be pinned during 13:00 - 15:30 | |
| | CHAIR: Dr M. CELINA SNL (NM), USA | |
| 13:30 - 14:00 | PLENARY - Prof E. RICHAUD ENSAM, Paris, France | Ageing of Epoxies - Mechanisms and Kinetics |
| 14:10 - 14:30 | Ms. Nyhal MEGHIREF ENSAM, Paris, France | Study of the thermal aging of a peroxide-cured HNBR immersed in hydrocarbon oil |
| 14:30 - 14:50 | Ms. Camile BLIVET Clermont-Ferrand, France | Lifetime prediction of polymeric materials used in cabling |
| | CHAIR: Dr Bob MAXWELL LLNL, CA, USA | |
| 14:50 - 15:50 | PANEL DISCUSSION SESSION "LIFETIME PREDICTION OF POLYMERS & ITS RELIABILITY: EXPERIMENTAL METHODOLOGIES & MODELLING" Panel: Dr M Celina, Prof J-L Gardette, Prof S. Al-Malaika, Prof X Colin, Dr M Swan | |
| 15:50 - 16:20 | COFFEE BREAK | |
| 16:20 - 17:30 | POSTER SESSION | |
| 16:50 - 17:30 | PDDG Committee Meeting | |
| 18:45 - 21:00 | GALA DINNER | |