

ICSAT2010

OVERVIEW OF TECHNICAL SESSION TRACKS AND SCHEDULE

Thursday, 25th of February 2010

08.00 – 11.55	PLENARY SESSION (→ Festhalle) ↳ Chairman: Wellnitz, J.		
	(1) Wellnitz, J. ⌚ 07.50 – 08.05 Welcome address by Chairman	(4) Hung, S. ⌚ 09.25 – 09.55 New car development	(6) Schmidt, W.-P. ⌚ 10.55 – 11.35 Towards a sustainable vehicle development
	(2) Subic, A. ⌚ 08.05 – 08.45 Green car technologies	<i>Coffee break</i> ⌚ 09.55 – 10.15	(7) Egorov, Y. ⌚ 11.35 – 11.55 International Innovative Technologies Association (IITA)
	(3) Töpler, J. ⌚ 08.45 – 09.25 Hydrogen as secondary energy carrier	(5) Rüegg, C. ⌚ 10.15 – 10.55 Opportunities and limits for composites in cars	

13.20 – 15.00	MATERIALS (→ St. Florian 2) ↳ Chairman: Müller, L. W.	ENERGY H2 (→ St. Florian 3) ↳ Chairman: Koopmanns, L.	TECHNOLOGY (→ St. Florian 4) ↳ Chairman: Lorenz, S.
	• Müller, L. W. New and sustainable composite: Natural stone laminate	• Pearson, G./Koopmanns, L. Design and development of hydrogen fuelled racing car	• Pyatov, I. Trochoid technology for high performance power machines
	• Bansemir, H. Delamination and failure modes	• Subic, A. International dimensions of hydrogen racing car project	• Di Pietro A./Compston, P. Automated fibre placement
	• Burger, U. New hybrid material for increased impact tolerance	• Stasinopoulos, P. Energy consumed in car component production	• Gotter, A. Efficiency improvement by waste heat recovery
	• Hartmann, M. Bionic material cellular titanium	• Pearson, G./Koopmanns, L. Risk and safety	• Lorenz, S. Knowledge management

15.20 – 16.35	COMPONENTS (→ St. Florian 2) ↳ Chairman: Müller, L. W.	FUTURE CONCEPTS (→ St. Florian 3) ↳ Chairman: Koopmanns, L.	SAFETY INNOVATIONS (→ St. Florian 4) ↳ Chairman: Lorenz, S.
	• Leary, M. Automotive seat structures	• Dittrich, C. Talking traffic lights	• Pell, B./Sulic, E. Sustainable antennas
	• Pyatov, I./Schapiro, B. New geometries for high performance rotary piston engines	• Galindo, J. I. Future of hydrogen mobility	• Wellnitz, J. New car generations
	• Leary, M. Intercooler and gas converter	• Manzat, A. Supersonic flames	• Simic, M. Driver assistance applications

Friday, 26th of February 2010

08.10 – 11.35	PLENARY SESSION (→ Festhalle) ↳ Chairman: Subic, A.		
	(1) Wellnitz, J. ⌚ 08.00 – 08.15 Welcome address by Chairman	(3) Godula-Jopek, A. ⌚ 08.55 – 09.35 EADS commitment towards sustainable mobility	(5) Schumacher, A. ⌚ 10.35 – 11.15 Optimization processes for finding lightweight structures
	(2) Wurster, R. ⌚ 08.15 – 08.55 Hydrogen supply and refuelling infrastructure	<i>Coffee break</i> ⌚ 09.35 – 09.55	(6) Beck, J. ⌚ 11.15 – 11.35 Need for sustainable patents
		(4) Dräxl, T. ⌚ 09.55 – 10.35 Emission versus E-mission	

13.00 – 14.15	WORKSHOP (→ St. Florian 2) ↳ Chairman: Leary, M.	MANUFACTURING (→ St. Florian 3) ↳ Chairman: Leary, M.	PROPULSION (→ St. Florian 4) ↳ Chairman: Hartmann, M.
	Green Car Technologies Roadmap by	• Montes-Solano, C. Multi-Axis position feedback	• Brabetz, L. Recuperation
	• Subic, A.	• Brockmann, R. Disk laser applications	• Gotter, A./Schapiro, B. Potential increase in efficiency
	• Mortiz, E.	• Silber, M. Advanced manufacturing for fibre reinforced metal matrix composites	• Britvin, L./Schapiro, B. Hybrid concept for energy redistribution

14.30 – 15.20	SMART STRUCTURES (→ St. Florian 3) ↳ Chairman: Leary, M.		SUSTAINABILITY (→ St. Florian 4) ↳ Chairman: Hartmann, M.
	• Leary, M. Shape memory alloy actuators		• Gutladt, H.-J./Frömmel Damage behaviour
	• Bruckmeier, S. New simplified Reissner theory		• Sulic, E. Multifunctional vehicle components

15.20 – ... **Conference Closing by Chairmen & Award for best presentation and paper** (→ Festhalle)