



Second European Summer School
HYDROGEN SAFETY

BELFAST, 30 July - 8 August 2007



Marie Curie Conferences and Training Courses

The Commission of the European Communities



Table of Contents

- Fichtner M. "Hydrides as solid storage materials: first safety tests with alanates"
- Breitung W. "Mechanistic safety analysis of hydrogen based energy systems"
- Breitung W. Appendix: "Detonation of hydrogen-air mixtures"
- Barthélémy H. "Safety of hydrogen cylinders and pressure vessels"
- Barthélémy H. Annex: CEN TC 23 "Transportable gas cylinders"
- Tchouvelev A. "Risk management and hydrogen safety"
- Tchouvelev A. "Risk-informed and science-based approach to hydrogen codes and standards"
- Lipatnikov A. "Turbulent combustion of hydrogen-air mixtures"
- Bjerketvedt D. "Some lessons learned from hydrogen explosions in the process industry"
- Bjerketvedt D. Appendix: "HYNOR – the hydrogen road in Norway"
- Tsuboi N. "Numerical approach on hydrogen detonation: fundamentals and applications"
- Newsholme G. "Using ATEX to inform an appropriate risk control strategy for hydrogen projects"
- Teodorczyk A. "Initiation of hydrogen detonations"
- Teodorczyk A. "Limits of steady propagation of hydrogen deflagrations and detonations"
- Markert F. "The hydrogen economy and adverse environmental effects"
- Markert F. "Risk assessment methodologies of hydrogen applications in a socio-technological context"
- Verfondern K. "Safety considerations on liquid hydrogen"
- Golub V. "Hydrogen-air mixture ignition and combustion behind the shock waves"
- Golub V. "Diffusion self-ignition of hydrogen in air"
- Ruiz A. "US Department of Energy hydrogen programme"