



4th International Symposium on
Energy **C**hallenges & **M**echanics
- working on small scales

11-13 August 2015
Aberdeen, Scotland, UK

Speaker of Session 03

HYDROGEN GENERATION AND STORAGE



Kaspar Lasn is a researcher in Norwegian University of Science and Technology. He has BSc and MSc degrees from Tallinn University of Technology, Estonia and Chalmers University of Technology, Sweden, both in Structural Engineering. The defense of his submitted PhD thesis about stiffness and damage evaluation of laminar composites is expected in 2015.

His studies and scientific work have taken place in four countries – Estonia, Sweden, France and Norway. His research projects have focused on: resonant behavior of bridges under high-speed trains, NDT, joints between steel and composites, and

composite pressure vessels. Current research interests are related to characterization of composites, FE modelling and risk evaluation.

Peer-reviewed publications in International Journals :

Lasn, K.; Klauson, A.; Echtermeyer, A. T. Back-calculation of ply elastic moduli for cross-ply laminates. *Mechanics of Composite Materials* (accepted).

Lasn, K.; Echtermeyer, A. T. (2014). Safety approach for composite pressure vessels for road transport of hydrogen. Part 1: Acceptable probability of failure and hydrogen mass. *International Journal of Hydrogen Energy*, 39(26), 14132 - 14141.

Echtermeyer, A. T.; Lasn, K. (2014). Safety approach for composite pressure vessels for road transport of hydrogen. Part 2: Safety factors and test requirements. *International Journal of Hydrogen Energy*, 39(26), 14142 - 14152.

Lasn, K.; Klauson, A.; Chati, F.; Décultot, D. (2011). Experimental determination of elastic constants of an orthotropic composite plate by using Lamb waves. *Mechanics of Composite Materials*, 47, 435 - 446.

