



5th International Symposium on
Energy **C**hallenges & **M**echanics
- working on small scales

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Principal Speaker of the

5th INTERNATIONAL SYMPOSIUM ON ENERGY CHALLENGES AND MECHANICS



Sveinn Ólafsson Research Professor in physics at Science Institute University of Iceland. He is conducting research on growth of thin films by sputtering in general and hydrogen interactions in thin films and superlattices. Instrument development, growth of nano-structured materials with STM. Surface science work at MaxLab Laboratory Lund Sweden and defects studies of semiconductors and oxides at ISOLDE lab CERN Switzerland. Recently he has also been investigating exotic nuclear reaction on surfaces of materials.

Education: University of Iceland C.S. Electronic Engineering 1984, and B.S. Physics 1986. Japan: Monbusho scholarship 1985-1987. Japan Educational Ministry. Intensive course in Japanese 1985-1986 Hokkaido University Japan Research work: Muroran University FET transistors using anodic oxidisation of SiO₂. Research Engineer

1987-1988. Assisting Prof. Hafliði Gíslason Science Institute of University of Iceland to build a research lab in studying defects in semiconductors.

PhD student 1989-1995 Uppsala University in Nuclear solid state physics, Doctoral Dissertation 23. May 1995 Hydrogen interactions in thin metallic films. Supervisor Prof. Erik Karlsson.

Post Doc 1995-1998 Thin film research group IFM Linköping University Sweden Iceland:

Science Institute University of Iceland. Senior research scientist 1998-2006. Research Professor of Physics since 2006. Teaching at University of Iceland since 1998 Supervising or co-supervising 6 PhD students and a number of master students. Chairman of the Icelandic Physical Society 2008-2013. EU Icelandic member of the domain committee; Materials, Physics and Nano-sciences (MPNS) in the EU COST program. www.cost.eu.

Co-organised International Symposium on Metal-Hydrogen Systems MH2008 in Iceland, including many smaller meetings workshops and summer schools. Author and co-author of over 80 scientific papers.

