

Program & Speakers

as of 16-July

12-Sep Metallic Materials-1 @ Room-1

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| 13:30 | Metal-1 | "Industrial challenges for hydrogen transport in Europe" Dr. Mons Hauge (Equinor, Norway) |
| 14:00 | Metal-2 | "Aspects of materials evaluation under hydrogen at different scales" Prof. Peter Gumbsch (Fraunhofer Institute for Mechanics of Materials IWM, Germany) |
| 14:30 | Metal-3 | "Hydrogen embrittlement of low-carbon steel in natural gas/hydrogen mixtures under the influence of gas pressure and impurity" Prof. Jinyang Zheng (Zhejiang University, China) |
| 15:00 | | Break |
| 15:20 | Metal-4 | "Materials Integrity of Hydrogen Transport Pipelines" Dr. Bård Nyhus (SINTEF, Norway) |
| 15:50 | Metal-5 | "Comparison of fracture toughness of Cr-Mo steels depending on testing method" Dr. Jaeyeong Park (KRISS, Korea) |
| 16:20 | Metal-6 | "Mechanical properties and hydrogen compatibility of austenitic stainless steels at cryogenic temperatures", Dr. Kentaro Wada (NIMS, Japan) |

13-Sep Metallic Materials-2 @ Room-1

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| 14:00 | Metal-7 | "On the effect of hydrogen on ratcheting of austenitic steels" Dr. Pierre Osmond (CETIM, France) |
| 14:30 | Metal-8 | "Recent Atomistic Simulations at Sandia" Dr. X. W. Zhou (Sandia National Laboratories, USA) |
| 15:00 | Metal-9 | "Hydrogen embrittlement in nickel alloys: some insights" Dr. Xu Lu (NTNU, Norway) |
| 15:30 | | Break |
| 15:50 | Metal-10 | "Experimental challenges in fracture toughness testing under H2 gas environment" Dr. Mihaela Cristea (Tenaris, Italy) |
| 16:20 | Metal-11 | "Hydrogen gas embrittlement: elucidating mechanisms and advancing industrial applications", Prof. Hisao Matsunaga (Kyushu University, Japan) |
| 16:50 | General Discussion | |
| 17:10 | Closing Remarks | |

Language: English