

# 10<sup>th</sup> International Conference on Diffusion in Solids and Liquids - DSL 2014

23<sup>rd</sup>-27<sup>th</sup> of June, 2014

Paris, France

[www.dsl-conference.com](http://www.dsl-conference.com)

## Call for Papers

Abstract Submission is now OPEN!



Special Session 10

### HYDROGEN-RELATED KINETICS IN MATERIALS (SS10)

Continued from DSL-2013 The session addresses broad aspects of H-related kinetics and phenomena in various types of materials. By characterizing atomic and electronic states of hydrogen on the surface, at interfaces, in the sub-surface region and in the bulk, we elucidate the mechanisms of reversible gas/solid and liquid/solid transitions of hydrogen. Emphasis will also be placed on H-induced changes of bulk properties, sometimes appearing rather drastic but lacking adequate explanations yet. Participation of both experimentalists and theoreticians is strongly encouraged.

Topics of the special session include:

- H-diffusion (surface and bulk)
- H in nanoparticles and thin films
- Catalysis
- Hydrogen permeation
- Electrochemistry
- Fuel cells
- H-defect interactions
- H-induced vacancy formation and diffusion
- H-embrittlement
- Corrosion

Publication:

**DEFECT AND DIFFUSION FORUM**

by Trans Tech. Publications

Webpage:

<http://www.dsl-conference.com/SS10.html>

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The DSL conferences aim at attracting a balanced portion of delegates from academia, industry and research institutions and laboratories involved in research and development work. In doing so, the conference provides a binding platform for academics and industrialists to network together, exchange ideas and provide new information. Furthermore, it provides new insights in overcoming the current challenges which are faced by the academics and the industrialists related to diffusion in its many areas.

The event will provide ample opportunity for conference delegates to network and improve their knowledge in an attractive, cultural and friendly environment: Paris, France

Looking forward to welcoming you in Paris.

