

## Plasma Catalysis Workshop - Invitation

You are kindly invited to join a workshop on plasma catalysis on January 29<sup>th</sup>. This workshop is organized by an informal network comprising the groups of Annemie Bogaerts and Vera Meynen (University of Antwerp), Volker Hessel (TU Eindhoven), several colleagues at DIFFER and the CPM group of Leon Lefferts at U Twente. The goal of the workshop is to discuss progress on the question how synergy can be obtained by combining conversion technology based on plasma and catalysis. The program for the day is as follows:

**Date** : Monday January 29, 2018  
**Venue** : University of Twente, Enschede NL  
**Location** : Building Zuid Horst, Room ZH286

### Program

- 10:00-10:30hr** walk in - Coffee/tea
- 10:30hr** introduction by *Leon Lefferts*
- 10:45hr** *Neda HafezKhiabani* (University Antwerpen)  
'Dry reforming of methane over Cu based coated spheres in a packed bed dielectric barrier discharge'
- 11:15hr** *Xintong Ma* (TU Eindhoven)  
'Combined plasma-photo process to split in one run carbon dioxide and water to syngas'
- 11:45hr** *Guido Giammaria* (University Twente)  
'Decomposition of Calcium Carbonate in Argon DBD Plasma'
- 12:15hr** **Lunch** (Speakers only - same location)
- 13:15hr** *Teofil Minea* (Differ Eindhoven)  
'Non-oxidative methane coupling to higher hydrocarbons via plasma catalysis in a microwave reactor'
- 13:45hr** *Inne Michielsen* (University Antwerpen)  
'Plasma catalysis in a packed bed DBD reactor for dry reforming of methane'
- 14:15hr** Coffee/tea
- 14:30hr** *Yannick Uytendhouwen* (University Antwerpen)  
'Untangling bulk and surface effects of spherical packing materials in a DBD plasma reactor by core-shell structured spheres'
- 15:00hr** *Liang Lin* (TU Eindhoven)  
'Rare-earth doped nanoparticles by gas-liquid microplasma for luminescent biomarking'
- 16:00–16:30hr** Recap and wrap up

Please register by sending a mail to: [d.j.deen@utwente.nl](mailto:d.j.deen@utwente.nl)