

Plasma Catalysis Workshop - Invitation

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

You are kindly invited to join a workshop on plasma catalysis on January 29th. 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:

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