

## ■ Organizing Committee

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S. Voutetakis, CERTH/CPERI  
J.A. Lercher, TUM, Germany  
I. Gerontis, Sifnos Major  
A. Hatzidimou, AUTH

## Venue

The Symposium will be held at the Cultural Centre in Artemonas Sifnos

## Accommodation and traveling

A number of rooms in various hotels have been booked in Sifnos. Ship tickets from Piraeus to Sifnos island have been also reserved. To confirm the reservations you should contact Mrs. A. Hatzidimou

## Information

Mrs. Anastasia Hatzidimou,  
Tel.: +30 2310 996192,  
Mobile: +30 6937704328  
Fax: +30 2310 996184  
e-mail : hatzidim@cperi.certh.gr

## ■ Sponsors

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*Under the auspices of General Secretariat of Research and Technology (GSRT) and Sifnos' island Major*

# International Symposium on Hydrocarbon Catalysis and Catalytic Engineering: Present Status and Perspectives



**June 29-30, 2007  
Sifnos island  
Greece**



## Symposium Programme

You are kindly invited to participate to the International Symposium organized to honor Iacovos Vasalos after his retirement as professor of Chemical Engineering in Aristotle University of Thessaloniki and Chairman of the Center of Research and Technology Hellas (CERTH)

### Hydrocarbon Catalysis and Catalytic Engineering: Present Status and Perspectives

which will be held on June 29 - 30  
2007  
in Sifnos island  
Greece

#### Thursday June 28

21.00- Welcome Reception

#### Friday, June 29

8.00-8.45 Registration

8.45-9.00 Welcome

9.00-9.30 Prof. I.A.Vasalos' career and achievements

*Chairman: Prof. Michael Stoukides, AUTH, GR*

9.30-10.15 Plenary Prof. **Adel Sarofim**, Univ. Utah, USA

"Multiscalar Simulation of the Combustion of Real Fuels: Application to Fires and Explosions"

10.15 -10.30 Coffee Break

#### **Session I Hydrogen and Fuel Cells**

*Chairman: Prof. Johannes Lercher, TUM, DE*

10.30-11.00 Dr. **Claude Mirodatos**, CNRS, FR

"Non Stationary Methane Activation over Redox Catalysts : Reaction Mechanism and Process Optimisation"

11.00-11.30 Prof. **Wolter Prins**, Univ. Twente, NL

"Advanced Biosyngas and Biohydrogen Production Technologies"

11.30-12.00 Prof. **Costas Vayenas**, Univ. Patras, GR

"Syngas and Hydrogen: Fuel cell Opportunities and Challenges"

12.00-12.30 Discussion

12.30-13.30 Lunch

#### **Session II Environmental catalysis**

*Chairman: Prof. X. Verykios, Univ. Patras, GR*

13.30-14.00 Prof. **Michael Amiridis**, Univ. S. Carolina, USA

"Atomic Scale Design and Construction of Supported Bimetallic Catalysts by the Use of etal- dendrimer Nanocomposites"

14.00-14.30 Prof. **M. Flytzani-Stephanopoulos**, Tufts U, USA

"Tailoring Gold and Silver Catalysts for Some Environmental Catalysis Applications"

14.30-15.00 Prof. **Gabriele Centi**, Univ. Messina, IT

"Advanced SO<sub>x</sub> Traps for Car Emissions"

15.00-15.30 Discussion

15.30-16.00 Coffee break

#### **Session III: Hydrocarbon Conversion**

*Chairman: Prof. Manfred Baerns, Leibniz Inst. for Catalysis, DE*

16.00-16.30 Prof. **Enrique Iglesia**, Univ. Berkeley, USA

"Structural Requirements and Pathways in Methane Reactions Catalyzed by Supported Metal Clusters"

16.30-17.00 Prof. **Fabrizio Cavani**, Univ. Bologna, IT

"The Oxidative Dehydrogenation of Light Alkanes: How far from an Industrial Application?"

17.00-17.30 Dr. **Carel Powels**, Albemarle, NL

"Catalyst Accessibility Effects on the Conversion of Heavy Hydrocarbons"

17.30-18.00 Discussion

21.00- Dinner by the sea

#### Saturday, June 30

*Chairman Prof. N. Papayannakos, NTUA, GR*

9.15-10.00 Plenary Dr. **Jan Campbel**, BP, UK

Fuels Manufacturing - A Future Perspective

#### **Session IV Future Fuels**

*Chairman Dr. George Hoekstra, BP, USA*

10.00-10.30 Dr. **Cheryl Joyal**, BP, USA

"Pilot Plant Evaluation of FCCU Catalyst Technology and Use of Data for Commercial Catalyst Applications"

10.30-11.00 Dr. **Juergen Witzler**, Grace, DE,

"Laboratory Deactivation Methods of FCC Catalysts"

11.00-11.30 Coffee Break

11.30-12.00 Prof. **Julian Ross**, Univ. Limerick, IE

"Has biomass a Place in the Energy Spectrum?"

12.00-12.30 Dr. **Paul o Connor**, BioCon, NL

"Sustainable Fuels, Chemicals & Energy from Biomass - Recent Developments"

12.30-13.00 Prof. **E. Kakaras**, NTUA, GR

"CO<sub>2</sub> Emissions Strategy for Cleaner Environment- Zero Emissions Power Plants"

13.00-13.30 Discussion

13.30-14.00 Prof. **I. A. Vasalos**, Closing Remarks

