

**FIRST BELGIAN-HUNGARIAN
COLLOQUIUM ON CATALYSIS**

PROGRAMME AND ABSTRACTS

Mátrafüred, 18-22, October 1981.

P R O G R A M M E

18th October 1981, Sunday

Arrival at Mátrafüred, registration and dinner at 19.00

19th October 1981, Monday

8.00 - 8.40: Breakfast

9.30 - 10.00: Opening Adresses

10.00 - 11.00: Ph. Teyssié, A.J. Hubert: Research Goals of the Laboratory of Macromolecular Chemistry and Organic Catalysis

11.00 - 11.30: Coffee break

11.30 - 12.30: B. Vidick, J. Lemaitre, B. Delmon: Preparation of High Surface Area Tungsten Carbide

13.00 - 14.00: Lunch break

15.30 - 16.00: J.P. Delrue, J.P. Dauchot, A. Hecq, M. Hecq: Effect of Incorporation of Non Metallic Elements in Platinum Sputtered Films on Catalytic Activity for CO-Oxidation

16.00 - 17.00: J. Engelhardt: Transformation of 1-Butene Over Molybdena-, Tungsta-, and Rhenia-Alumina Catalysts

17.00 - 17.30: Coffee break

17.30 - 18.30: J.P. Marcq, X. Wispenninckx, G. Poncelet, D. Keravis,

J.J. Fripiat: Hydrogenation by Hydrogen Bronzes.

I. Hydrogenation of Ethylene by H_2MoO_3

19.00

Dinner

L. Vandenbranche: Catalytic oxidation and adsorption of propene on V_2O_5 and V_6O_{13} (solid) single crystal surfaces

20th October 1981, Tuesday

8.00 - 8.40: Breakfast

9.00 - 10.00: J.P. Gilson, J.B. Nagy, Z. Gabelica, E.G. Derouane:

~~¹³C-NMR and TG/DTA Investigations of the Conversion of Methanol and Ethylene on Zeolite H-ZSM-5~~

10.00 - 11.00: A. Crucq, L. Degols, G. Lienard, A. Frennet:

Characterization of Pt-Catalysts by Hydrogen Adsorption. Critical Comments on Usual Procedures of Dispersion. Measurements

11.00 - 11.30: Coffee break

11.30 - 12.30: P. Govind Menon, G.F. Froment: Self-Inhibition by Residual Hydrogen Retained in Catalysts

13.00 - 15.00: Lunch break

15.00 - 16.00: J. Petró, T. Mallát: Electrochemical Study of Noble Metal Alloy Catalysts

16.00 - 17.00: A. Crucq, L. Degols, G. Lienard, A. Frennet: Hydrogen Adsorption on Cu-Ni Alloy Catalysts

17.00 - 17.30: Coffee break

17.30 - 18.30: A. Sárkány, S. Pálfi, P. Tétényi: Aromatization of Pentanes and Hexanes on Ni-Catalysts

19.00

Dinner

+1 Menon

+ Mink

21st October 1981, Wednesday

- 8.00 - 8.40: Breakfast
9.00 - 10.00: A. Frennet, A. Crucq, L. Degols, G. Lienard:
Hydrogenolysis of Ethane and Exchange with D₂
on Rhodium during the Build-Up in Hydrocarbon Coverage
10.00 - 11.00: H. Zimmer, Z. Paál, P. Tétényi: ~~Hydrogenolysis~~ Cyclization of
C₇-Alkanes over Pt Black Catalyst
11.00 - 11.30: Coffee break
11.30 - 12.30: J. Margitfalvi, M. Hegedüs, S. Göbölös, E. Kwaysser,
F. Nagy: Chain Lengthening Reactions on the
Pt/Al₂O₃ and Re-Pt/Al₂O₃ Reforming Type Catalysts
13.00 - 14.00: Lunch break
14.30 - 18.00: Excursion to Eger
19.00 Cocktail
19.30 Banquet

22nd October 1981, Thursday

- 8.00 - 8.40: Breakfast
9.00 - 10.00: F. Solymosi, A. Erdöhelyi, M. Kocsis: Hydrogenation
of CO₂ on Supported Noble Metal Catalysts
10.00 - 11.00: Z. Schay, L. Guzzi: Kinetics and Mechanism of CO/H₂
Reaction on Iron-Ruthenium Catalysts Prepared from
Bimetallic Clusters
11.00 - 11.30: Coffee break
11.30 - 13.00: Round table discussion and closing the Symposium
13.00 Lunch break
14.00 The Symposium ends, return to Budapest

List of Participants

A.G. Lefebvre (Liège)

André Crucq: Unité de Recherches "Catalyse Hétérogène",
Bruxelles, Belgium

Jean-Pol Delrue: Laboratoire de Chimie Inorganique,
Université de l'Etat á Mons, Mons, Belgium

Alfred Frennet: Unité de Recherches "Catalyse Hétérogène",
Bruxelles, Belgium

~~Selimir Gaberica~~: Facultés Universitaires de Namur,
Laboratoire de Catalyse, Namur, Belgium

Albert Germain: Chaire de Génie Chimique, Université de
l'Etat á Liège, Liege, Belgium

André J. Hubert: Université de l'Etat á Liège, Laboratoire de
Chimie Macromoléculaire et de Catalyse Organique,
Liege, Belgium

Jean-Ph. Marcq: Groupe de Physico-Chimie Minérale et de
Catalyse, Université Catholique de Louvain,
Louvain-la-Neuve, Belgium

P. Govind Menon: Laboratorium v. Petrochemische Techniek,
R.U.G., Gent, Belgium

~~Georges Poncellet~~: Groupe de Physico-Chimie Minérale et de
Catalyse, Université Catholique de Louvain,
Louvain-la-Neuve, Belgium

Benoit J. Vidick: Groupe de Physico-Chimie Minérale et de
Catalyse, Université Catholique de Louvain,
Louvain-la-Neuve, Belgium

Luc Vandenbroucke: Laboratorium v. Kristallographie,
Rijksuniversiteit te Gent, Gent, Belgium

Institute of Isotopes of the Hungarian Academy of Sciences

Zoltán Paál,
László Guczi,
Antal Sárkány,
Zoltán Schay,
Sándor Pálfi,
Károly Lázár,
Sándor Kristyán,

Helga Zimmer,
Mária Őri,
Erzsébet Bursics,
Györgyi Stefler,
Rózsa Lőrincz
Maria Dobrovolsky

Central Research Institute for Chemistry of the Hungarian
Academy of Sciences

Géza Schay
Ferenc Nagy
Dénes Kalló
József Margitfalvi
József Engelhardt

Department of Organic Chemical Technology, Technical University

Tamás Mallát
József Petró
Sándor Békási

Reaction Kinetics Research Group. The University, Szeged

~~Frigyes Solyósi~~
András Erdőhelyi