INV01 *R. Morris*
Some difficult challenges for the synthesis of nanoporous materials

INV02 *J. Yu*
Crystalline mesoporous zeolitic materials: structural design and synthetic challenges

Break & Posters 1-14

Chairperson: Jihong Yu

INV03 *S.J. Datta and K.B. Yoon*
Synthesis of pure VSH-2 in large quantities and its characterization

INV04 *A.B. Pinar, R. García, L. Gómez-Hortigüela and J. Pérez-Pariente*
Synthesis of open zeolite structures from mixtures of tetramethylammonium (TMA) and benzylmethylalkylammonium cations. A step towards driving aluminum location in the framework

INV05 *T. Okubo, K. Iyoki, Y. Kamimura and K. Itabashi*
Seed-assisted syntheses of zeolites from OSDA-free aluminosilicate gels

Lunch

Chairperson: Hong-Xin Li

R. Morris: Challenges in zeolites synthesis

Round table discussion

Break & Posters 1-14

Chairperson: Petr Nachtigall

Op01 *B. Gil and Z. Olejniczak*
Studies on the external and internal acidity of the series of MCM-22 zeolites

Op02 *N. Katada and M. Niwa*
Dependence of acid strength of zeolite on AlO distance

Op03 *K. Nakai, M. Hakuman, H. Naono, W. Yasushi, Y. Kubota, A. Hori, K. Kuwana, T.C. Kobayashi, J. Kim, K. Kato, M. Takata, R. Matsuda and S. Kitagawa*
Phase transition of MFI zeolite by N_2, Ar and O_2 gas adsorption

Bus to brewery

Bus back to Liblice

Monday July 12

Chairperson: Joaquín Pérez-Pariente

INV06 *A. Corma*
Modulating pore size and topology of zeolites for adsorption and catalysis

INV07 *C. Perego and R. Buzzoni*
The role of zeolite catalysts for phenol production: today and tomorrow

Break & Posters 1-10, 15-18

Chairperson: Tatsuya Okubo

INV08 *B. Moden, J.M. Donohue, W.E. Cormier and H.-X. Li*
Challenges for zeolites in automotive applications

INV09 *K.L. Yeung, W. Han and S.M. Kwan*
Zeolites in micro fuel cell systems

INV10 *S.-E. Park, H. Jin, N. Jiang, E.A. Prasetyanto, D.-S. Han, D.-Y. Ok and Y.-K. Kim*
Hierarchical mesoporous zeolites as acid catalysts synthesized by microwave irradiation

Lunch

Chairperson: King Lun Yeung

A. Corma: Challenges in catalysis on zeolites

Round table discussion

Break & Posters 1-10, 15-18

Chairperson: Barbara Gil

Op04 *D.P. Serrano, R. Sanz, P. Pizarro and I. Moreno*
Synthesis and catalytic properties of hierarchical TS-1 zeolites

Op05 *J. López-Sanz, E. Pérez-Mayoral, R.M. Martín-Aranda and A.J. López-Peinado*
Zeolites promoting quinoline synthesis via Friedländer reaction

Op06 *M.A.B. Siddiqui, A.M. Aitani, M.R Saeed. and S. Al-Khattaf*
Enhanced production of light olefins by catalytic cracking of FCC naphtha over mesoporous ZSM-5-based catalyst

Op07 *D. Procházková, M. Voláková-Bejblová and J. Vlk*
Acylation of ferrocene with bulky acylating agents over molecular sieves

Op08 *S.-C. Wu, J.B. Wang and T.-C. Tsai*
Catalysis of zeolite in the amidation of alcohols with nitriles for the synthesis of N-alkylacrylamides

Barbecue

Tuesday July 13

Chairperson: Sang-Eon Park

INV11 *J.H. Lee, M.B. Park, J.K. Lee, M.K. Song and S.B. Hong*
Synthesis and characterization of ERI-type UZM-12 zeolites and their methanol-to-olefin performance

INV12 *P. Nachtigall and A. Pulido*
Theoretical investigation of structure-catalytic activity in Cu-zeolites

INV13 *D. Kubička*
Selective ring opening of naphthenes over zeolite-based catalysts – a dream?

Break

Chairperson: Joaquín Pérez-Pariente

INV14 *H. van Bekkum*
Roles of molecular sieves in the post-oil age

INV15 *S. Csicsery*
The state of catalysis today: a few observations

Posters

Po01 *N. Kasian, T.I. Koranyi, G. Vanbutsele, K. Houthoofd, C.E.A. Kirschhock and J.A. Martens*
Conversion of n-decane over 14-MR aluminogermanosilicate with UTL topology

Po02 *H.S. Abbo and S.J.J. Titinchi*
Metallo salicylidenetriazol complexes encapsulated in zeolite-Y: synthesis, physicochemical properties and catalytic studies

Po03 *Y. Kamimura, W. Chaikittisilp, K. Itabashi, A. Shimojima and T. Okubo*
Synthesis of zeolite beta and green beta in OSDA-free and seeding system

Po04 *N. Jiang and S.-E. Park*
Direct microwave synthesis of mesoporous zeolite aggregates

Po05 *A. Baduraig, T. Odedairo and S. Al-Khattaf*
Disproportionation and methylation of toluene with methanol over zeolite catalysts

Po06 *J. Machado, J.E. Castanheiro, I. Matos, A.M. Ramos, J.Vital and I.M. Fonseca*
Acetoxylation of alpha-pinene over SBA-15 with sulfonic acid groups

Po07 *M.S. Grande, T. Álvaro, C. Márquez-Álvarez and E. Sastre*
Methanol conversion to hydrocarbons on modified ferrierite zeolites

Po08 *L. Juárez-Hernández, J. Aguilar-Pliego, J. Pérez-Pariente, E. Sastre, V. Múgica-Álvarez and L. Noreña-Franco*
Synthesis and characterization of MCM-41/zeolite materials using carbon nanospheres

Po09 *R. García, L. Gómez-Hortigüela and J. Pérez-Pariente*
Synthesis of zeolites using diquaternary N-benzylpyrrolidine-based derivatives as structure directing agents

Po10 *E.K. Scherer and E.A. Urquieta-González*
Transformation of cyclohexane and methyl-cyclohexane on HUSY, HZSM-5 and HMCM-22 zeolites - yield and selectivity to light hydrocarbons

Po11 *Š. Botková, L. Smoláková, P. Priecel, J. Adam and L. Čapek*
Effect of the type of oxidation agent in the ODH of ethane

Po12 *R. Bulánek, L. Čapek, M. Setnička and P. Čičmanec*
DR-UV-Vis study of the supported vanadium oxide catalysts

Po13 *J. Aguilar-Pliego, P. Bosch, C. Zicovich-Wilson, G. Herrera-Péreza and V.H. Lara*
On the occurrence of three-fold coordinated Si sites in mesoporous MCM-41 materials

Po14 *L. Smoláková, Š. Botková, L. Čapek, V. Lochař and T. Grygar*
The oxidative dehydrogenation of ethane: analysis of active sites in Fe-FER pretreated at 500-900 °C

Po15 *M. Kubů, S.I. Zones and J. Čejka*
Synthesis and properties of novel zeolites TNU-9, IM-5 and SSZ-74

Po16 *O.V. Shvets, M.V. Shamzhi, P.V. Yaremov, N.V. Kasian and Z. Musilová*
Influence of SDA nature on limit of isomorphous introduction of boron in germanosilicate zeolites with UTL topology

Po17 *R. Bulánek, K. Frolich, E. Frýdová and P. Čičmanec*
Adsorption of carbon dioxide on the alkali-metal exchanged pentasil type zeolites

Po18 *A. Zukal, J. Mayerová and M. Kubů*
The effect of zeolite framework topology on the adsorption of CO_2