



YOUNG RESEARCHER'S DIVISION

1st Young Researchers Meeting ENMIX – YRM 2014

September 19th, 2014 - Bled, Slovenia

Introduction

During the ENMIX Workshop at Bled in September 2014 a group of young scientists found together to form the Young Researcher's Division, which was initiated and stimulated by Vera Meynen, Nataša Novak Tušar, Stella Sklari. The main objectives of this group are to promote the integration of young scientists and to increase their mobility belonging to the ENMIX network. Additionally, progress wants to be done to reinforce the scientific communication and to make the young researchers known to each other.

The group decided that the creation of a webpage will be one step to reach the aims mentioned above. Next to the webpage, the YR's Division wants to promote the contact between the young researchers by meetings which are dedicated to them.

Motivation

One of the integration levels in the ENMIX a.i.s.b.l. is based on four similarly structured activities referring to Research, Sharing of Facilities, Personnel Mobility, and Common Use of Knowledge with the main emphasis put on a coherent, integrated coordination of the Network's resources and actions. The objectives of the meeting proposed are perfectly in line with those integrated in the main Network's activities.

Firstly, our intention is to promote and increase mobility of students and young researchers. One of the solutions passes through a direct discussion of problems and obstacles encountered during research stays at foreign laboratories. Such problems are sometimes difficult to be overcome, they are not always well understood by more experienced researchers, and they tend, in many cases, to block most mobility within the ENMIX. We think that our meeting will also contribute to build a support structure for young teams with a potential for excellence at a European level by providing physical mobility opportunities between countries and between academia and industry.

Secondly, it is highly desired to intensify the existing collaborations, but also to develop new ones, by involving in this process young researchers who provide a direct support for research in many laboratories. This perfectly follows the ENMIX's objective to increase the connectivity and enhance knowledge transfer, as well as access to information.

Agenda

The basics of the meeting are formed in the group presentations which will contain information of all the groups. It will include the research goals of the groups, facilities in the labs which are common in use (or partially) for the members of the ENMIX, people of the lab and their interests, collaborations that are looked for and mobility and collaborations that they had in the past. The second important part of the meeting are the round table discussion, in which people of similar

interest can discuss with each other further collaborations, think out solutions for problems or discuss on other things like general questions people can have when they go abroad for a longer period of time. In the table presented below the programme of the a general overview of the meeting's agenda is given:

September 19 (Friday)

14:00 – 18:00 *Young Scientists Forum*

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| 14:00 – 14:30 | Welcome and presentation of INSIDE POREs Young Research Division (Vera Meynen, Nataša Novak Tušar, Stella Sklari) |
| 14:30 – 14:45 | Andraž Šuligoj, NIC Ljubljana-Slovenia
<i>Development of advanced TiO₂/SiO₂ photocatalyst for indoor air cleaning</i> |
| 14:45 – 15:00 | Tomaž Čendak, NIC Ljubljana-Slovenia
Adsorption in Microporous and Mesoporous Materials: A Solid-State NMR View |
| 15:00 – 15:15 | Andraž Krajnc, NIC Ljubljana-Slovenia
Solid-state NMR Structural Characterisation and Water Sorption Studies in Porous Aluminophosphates |
| 15:15 – 15:30 | Jure Verlac, NIC Ljubljana-Slovenia
Simulating water adsorption in microporous aluminophosphates |
| 15:30 – 15:45 | Tomaž Fakin, NIC Ljubljana-Slovenia
Advanced zeolites granules with the hierarchical pore structure on a semi-industrial scale |
| 15:45 – 16:15 | Coffee Break |
| 16:15 – 16:30 | Moritz Heuchel, University of Stuttgart, Germany
Catalysis at the Institute of Chemical Technology |
| 16:30 – 16:45 | Dennis Kopljar, University of Stuttgart, Germany
Reaction Engineering at the Institute of Chemical Technology |
| 16:45 – 17:00 | Dr. Dirk Ziegenbalg, University of Stuttgart, Germany
Reaction Engineering in Heterogeneous Photocatalysis |
| 17:00 – 17:20 | Elena Seftel, University of Antwerp, Belgium
Research activities on synthesis, modification and application of porous inorganic materials. |
| 17:20 – 17:40 | Enrique V. Ramos-Fernandez, University of Alicante, Spain
Research activities at the Laboratory of Advanced Materials. |
| 17:40 – 18:30 | Discussion, Future Plan
Moderators: Vera Meynen, Nataša Novak Tušar, Stella Sklari |
| 18:30 – 18:45 | Closing of the Young Scientists Forum |

Deliverables

The main goal of the meeting is the real integration of the young researchers in the ENMIX activities and decision making at research level. For that reason, the subjects carried out on the meeting will be delivered to everyone involved in the ENMIX. Therefore, the organizing committee will deliver three main documents after the meeting to the ENMIX's Board of Directors.

Deliverable 1: List of the participants. (Appendices I)

Deliverable 2: All the presentations performed during the meeting will be included in a *pdf* file.
(Appendices II)

Deliverable 3: The third deliverable will be a summary of the discussion and the future plans. This document will include collaboration proposals for the different groups involved in the ENMIX. It will describe topics of possible collaboration; will indicate which group will be involved in those activities, expected results and possible benefits. Finally, the document will include the collaborations arranged between young researchers (that will be brought to the supervisors for approval). (Appendices III)

Organizing committee:
Stella Sklari (CPERI/CERTH)
Nataša Novak Tušar (NIC)
Vera Meynen (UA)