

Roundtable Discussion I

Catalytic materials for environmental applications

Coordinators:

José de Figueiredo

University of Porto, Portugal

Robbie Burch

Queen's University of Belfast, UK

Scientific Challenges

	<i>Modern approaches for synthesis of higher selectivity catalysts</i>	Dmitry Ivanov Boreskov Institute of Catalysis, Russia
	<i>Advanced characterization techniques on Pd catalysts</i>	Loredana Mantarosie Queen's University Belfast, UK
	<i>Mechanistic studies employing SSITKA-MS and SSITKA-DRIFTS techniques</i>	George Olympiou University of Cyprus, Cyprus

Participants

1	Abdunnabi Hussein Mansour	Advanced Chemical Technology Center, Libya
2	Noelia Barrabes	Universitat Rovira i Virgili., Spain
3	Katarzyna Bawolak-Olczak	Technical University of Lodz, Poland
4	Rosa Bonelli	Bologna University, Italy
5	Olga Bulavchenko	Boreskov Institute of Catalysis, Russia
6	Petrica Dulgheru	University College Dublin, Ireland
7	Anne Mette Frey	Utrecht University, Netherlands
8	Alexandra Goncalves	University of Porto, Portugal
9	Andrew Gordon	Queen's University of Belfast, UK
10	Dmitry Ivanov	Boreskov Institute of Catalysis, Russia
11	Kristine Liao	University of Cambridge, UK
12	Loredana Mantarosie	Queen's University Belfast, UK
13	Agnieszka Michalak	Technical University of Lodz, Poland
14	Pawel Mierczynski	Technical University of Lodz, Poland
15	George Olympiou	University of Cyprus, Cyprus
16	Carla Alexandra Orge Fonseca	University of Porto, Portugal
17	Antonis Psarras	CPERI/CERTH, Greece
18	Linda Sherry	University College Dublin, Ireland
19	Juliana Sousa	University of Porto, Portugal
20	Ervin Szabo	Hungarian Academy of Sciences, Hungary
21	Valentina Trevisan	Università Cà Foscari/Consorzio INSTM-UdR, Italy
22	George Tsilomelekis	University of Patras, Greece
23	Timea Benko	Hungarian Academy of Sciences, Hungary
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If you are interested in participating in Roundtable discussion I, please register yourself in the list above (maximum number of participants: 25)

Roundtable Discussion II

Catalytic Reaction Engineering

Coordinator:

Juergen Caro

University of Hannover, Germany

Scientific Challenges

	<i>Engineering of photocatalytic reactors for water and air purification</i>	Irina Kolesnik Moscow State University, Russia
	<i>Engineering of biodiesel production</i>	Teresa Mata University of Porto, Portugal
	<i>Engineering of monolithic catalysts/reactors</i>	Cristina-Elena Stere Queen's University Belfast, UK

Participants

1	Ana Raquel de la Osa Puebla	University of Castilla-La Mancha, Spain
2	Vicente Jimenez Cotillas	University of Castilla-La Mancha, Spain
3	Georgia Kastrinaki	CPERI/CERTH, Greece
4	Irina Kolesnik	Moscow State University, Russia
5	Anna Lewandowska	Technical University of Lodz, Poland
6	Teresa Mata	University of Porto, Portugal
7	Emilio Munoz Vega	University of Oviedo, Spain
8	Elaine Neville	University College Dublin, Ireland
9	Cristina-Elena Stere	Queen's University Belfast, UK
10	Karina Tomaszewska	Technical University of Lodz, Poland
11	Elżbieta Wojciechowska	Technical University of Lodz, Poland
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Roundtable Discussion III

Homogeneous Catalysis

Coordinator:

Walter Leitner

University of Aachen, Germany

Scientific Challenges

	<i>Homogeneous photocatalysis for wastewater decontamination</i>	Chrystanthi Berberidou Aristotle University of Thessaloniki, Greece
	<i>Asymmetric catalysis - ways to improve enantioselectivity</i>	Rui Miguel Carrilho University of Coimbra, Portugal
	<i>Quantum chemistry in homogeneous catalysis - thermodynamics vs transition state theory</i>	Matthias Eisenacher RWTH Aachen University, Germany

Participants

1	Salete Balula	University of Aveiro, Portugal
2	Chrystanthi Berberidou	Aristotle University of Thessaloniki, Greece
3	Rui Miguel Carrilho	University of Coimbra, Portugal
4	Matthias Eisenacher	RWTH Aachen University, Germany
5	Kevin Fennell	University College Dublin, Ireland
6	Vijay K. Kanuru	University of Cambridge, UK
7	Eliska Leitmannova	Institute of Chemical Technology Prague, Czech Republic
8	Ivana Lusticka	Institute of Chemical Technology Prague, Czech Republic
9	Silvia Morales de la Rosa	Instituto de Catálisis y Petroleoquímica, CSIC, Spain
10	Patricia dos Santos Neves	University of Aveiro, Portugal
11	Lucie Potucka	Institute of Chemical Technology Prague, Czech Republic
12	Serap Sahin	Abo Akademi University, Finland
13	Isabel Santos Vieira	University of Aveiro, Portugal
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Roundtable Discussion IV

Biomass Conversion Technologies

Coordinators:

Pierre Gallezot
IRCE Lyon, France

Kristiina Kruus
VTT, Finland

Scientific Challenges

	<i>Sustainability of biofuels production and alignment with EU directives</i>	Caroline Gilleran Dundalk Institute of Technology, Ireland
	<i>What type of biomass is considered as the most suitable (technically and economically) for H₂ production?</i>	Angelos Efstathiou University of Cyprus, Cyprus
	<i>Analytical system for identification of biomass conversion products</i>	Chen Zhao Peking University, China

Participants

1	Mayra Garcia Alvarez	Universitat Rovira i Virgili, Spain
2	Matthias Arend	RWTH Aachen University, Germany
3	Gemma Brett	Cardiff University, UK
4	Ana Raquel de la Osa Puebla	University of Castilla–La Mancha, Spain
5	Angelos Efstathiou	University of Cyprus, Cyprus
6	Antzela Fivga	Aston University, UK
7	Caroline Gilleran	Dundalk Institute of Technology, Ireland
8	Hamdy Mohamed Saad Mohamed	Wageningen University, Netherlands
9	Paulina Kwintal	Technical University of Lodz, Poland
10	Teresa Mata	University of Porto, Portugal
11	Jan Niklas Meine	Max-Planck Institut fuer Kohlenforschung, Germany
12	Patricia Perez-Presas	ICP-CSIC, Spain
13	Elodie Rodriguez Goncalves	University of Porto, Portugal
14	Anna Maria Segarra	Universitat Rovira i Virgili, Spain
15	Jordan Siobhan	Dundalk Institute of Technology, Ireland
16	Stelios Stephanidis	CPERI/CERTH, Greece
17	Nicolas Thegarid	IRCE Lyon, France
18	Efterpi Vasiliadou	Aristotle University of Thessaloniki, Greece
19	Haibo Xie	Dublin City University, Ireland
20	Chen Zhao	Peking University, China
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If you are interested in participating in Roundtable discussion IV, please register yourself in the list above (maximum number of participants: 25)

Roundtable Discussion V

Hydrogen Production

Coordinators:

Xenophon Verykios

University of Patras, Greece

Dimitris Kondarides

University of Patras, Greece

Scientific Challenges

	<i>Role of coke deposition in reforming reactions</i>	Anastasios Kambolis University of Patras, Greece
	<i>Photocatalytic Reactions for Hydrogen Production</i>	Elaine Neville University College Dublin, Ireland
	<i>Most energy efficient process for H₂ production from ethanol</i>	Raquel Olivera Fraile ICP-CSIC, Spain

Participants

1	Javier Francisco da Costa Serra	Instituto de Tecnología Química UPV-CSIC, Spain
2	Valentina Gombac	University of Trieste, Italy
3	Anastasios Kambolis	University of Patras, Greece
4	Barbara Lorenzut	University of Trieste, Italy
5	Christina Martavaltzi	Aristotle University of Thessaloniki, Greece
6	Elaine Neville	University College Dublin, Ireland
7	Raquel Olivera Fraile	ICP-CSIC, Spain
8	Chrysa Pagkoura	CPERI/CERTH, Greece
9	Piera Moro	University of Rome "La Sapienza", Italy
10	Unzurrunzaga Iturbe Ainhoa	INASMET-TECNALIA, Spain
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Roundtable Discussion VI

Electrochemistry

Coordinator:

Evelina Slavcheva

Bulgarian Academy of Sciences, Bulgaria

Scientific Challenges

	<i>SOFCs electrocatalysts</i>	Vasilis Kournoutis University of Patras, Greece
	<i>Sputtered Catalysts for PEM electrochemical energy converters - critical issues</i>	Georgi Topalov IEES-BAS, Bulgaria
	<i>The development of modern electrocatalysts: from single crystals to nanoparticles</i>	Qinqin Xu University of Bern, Switzerland

Participants

1	Diana Carolina Galeano Nunez	Max-Planck Institut fuer Kohlenforschung, Germany
2	Vasilis Kournoutis	University of Patras, Greece
3	Evelina Slavcheva	Bulgarian Academy of Sciences, Bulgaria
4	Georgi Topalov	IEES-BAS, Bulgaria
5	Mixail Tsampas	University of Patras, Greece
6	George Tsekouras	University of St Andrews, UK
7	Qinqin Xu	University of Bern, Switzerland
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If you are interested in participating in Roundtable discussion VI,