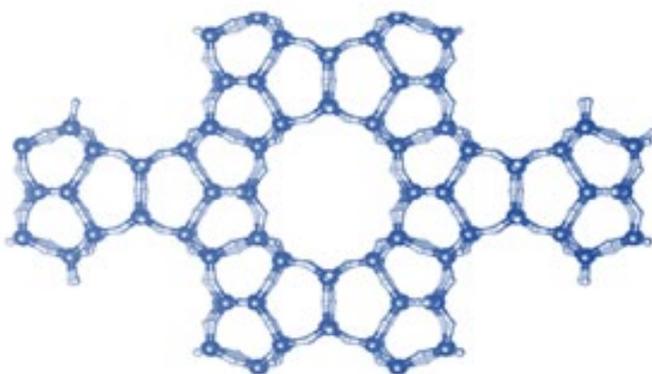


# Zeolites: Prospects & Challenges



*A bridge between*

*Academia*

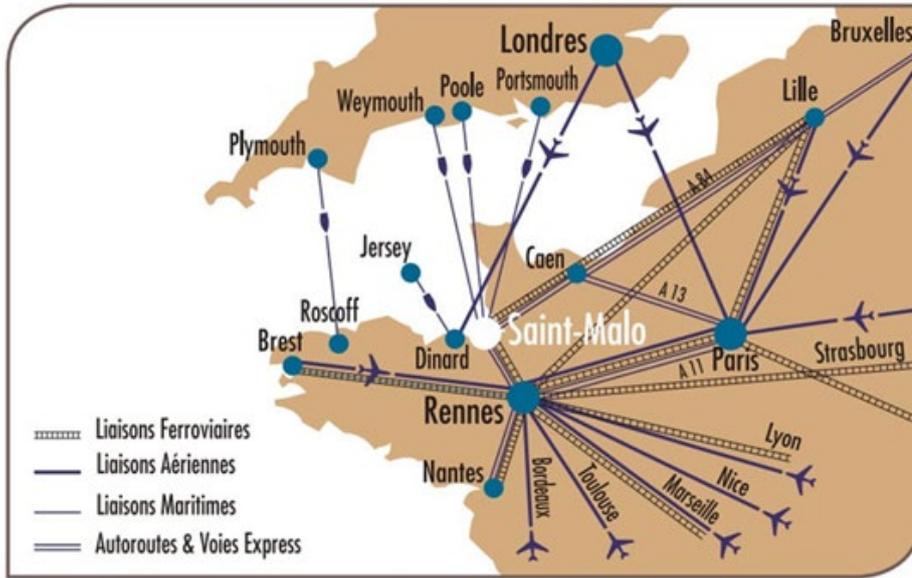


*Industry*

Saint-Malo, France, May 25-27, 2020



# To Saint-Malo





# 8<sup>th</sup> Workshop

## Zeolites: Prospects & Challenges

Saint-Malo, France

25-27 May 2020

Scientific Program

Keynotes 30 mins (25 '+ 5' Q&A)

25/05/2020		
13:30-14:30	<b>Registration &amp; Buffet Lunch</b>	
14:50	Nikolai Nesterenko	<b>Opening</b>
<b>Chair: Nikolai Nesterenko</b>		
15:00	Ulrich Müller <i>BASF, Germany</i>	Zeolite chemistry – driving sustainability.
15:30	Fabio Ribeiro <i>Purdue University, USA</i>	The role of kinetics in the search for the active site in heterogeneous catalysis.
16 :00	<b>Coffee Break</b>	
<b>Chair: Jean-Pierre Gilson</b>		
16:30	Alexander V. Neimark <i>Rutgers University, USA</i>	Novel approaches for pore structure characterization of microporous crystals: from MOFs to zeolites.
17:00	Johan Martens <i>KU Leuven, Belgium</i>	Tuning solvent properties of water by nanoconfinement.
18:00	<b>Testing of regional products</b>	
19:30	<b>Dinner at « Les Relais d'Alsace <i>A</i> »</b>	

<b>26/5/2020</b>		
<b>7 :00</b>	<b><i>Breakfast</i></b>	
<b><i>Chair: Svetlana Mintova</i></b>		
<b>9:00</b>	Bart van Degehuchte <i>TOTAL, Belgium</i>	Catalyst and process design via combined kinetic and statistical modelling.
<b>9 :30</b>	Mladen Eic <i>University of New Brunswick, Canada</i>	Fast screening of adsorbents, using the zero-length column chromatographic technique for determination of equilibrium and kinetics parameter.
<b>10 :00</b>	Matthias Beller <i>Leibniz-Institut für Katalyse, Germany</i>	Prospects & Challenges in Catalysis: From Molecularly defined Complexes to Materials.
<b>10 :30</b>	<b><i>Coffee Break</i></b>	
<b><i>Chair: Nikolai Nesterenko</i></b>		
<b>11:00</b>	Anton Maximov <i>Institute of Petrochemical Synthesis, Russia</i>	Inorganic, Hybrid and Organic Porous Materials as Slurry Phase Catalysts.
<b>11 :30</b>	Yaroslav Filinchuk <i>UCL, Belgium</i>	Hydrides as energy materials.
<b>12 :00</b>	<b><i>Lunch at « ATELIER de la CRÊPE »</i></b>	
<b><i>Chair: Jean-Pierre Gilson</i></b>		
<b>14 :30</b>	Jeffrey Bricker <i>UOP, USA</i>	To be announced.
<b>15 :00</b>	Xionghou Gao <i>CNPC, China</i>	Mesoporous materials as key FCC catalyst ingredients: From the lab to the refinery.
<b>15 :30</b>	Stijn van Lierde <i>Exxon Mobil, Belgium</i>	To be announced.
<b>16:00</b>	Ludovic Pinard <i>University of Poitiers, France</i>	The challenge of methane dehydrogenation process: how to maximise catalyst (Mo/HZSM-5) stability?
<b>16:30</b>	<b><i>Excursion</i></b>	
<b>20:00</b>	<b><i>Banquet at « Le 5 Chateaubriand »</i></b>	

<b>27/05/2020</b>		
<b>7:00</b>	<b><i>Breakfast</i></b>	
<b><i>Chair: Valentin Valtchev</i></b>		
<b>9:00</b>	Wilhelm Schwieger <i>Erlangen, Germany</i>	Hierarchical zeolites as catalytic components in structured reactors concepts and Preparation strategies.
<b>9:30</b>	Tatsuya Okubo <i>Tokyo University of Technology, Japan</i>	Insights from heuristics of zeolite synthesis by a data-driven approach: Tips for novel synthesis.
<b>10:00</b>	Hubert Koller <i>University of Münster, Germany</i>	Hydrogen bonds and clusters of OH groups.
<b>10:30</b>	Mamoun Al-Rawashdeh <i>Texas A&amp;M University, Qatar</i>	To be announced.
<b>11:00</b>		Concluding remarks.
<b>11:30</b>	<b>Departure</b>	