



# ADVANCES IN CATALYSIS FOR HYDROCARBONS

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RESULTS FROM ZEOCAT-3D, C123 &  
BIZEOLCAT EU RESEARCH PROJECTS

**16 MARCH 2023 - ATHENS**

 AIROTEL STRATOS VASSILIKOS HOTEL  
OLYMPIA MEETING ROOM  
MICHALAKOPOULOU 114, ATHENS, 115 27, GREECE

FOR REGISTRATION PLEASE VISIT:  
[WWW.ZEOCAT-3D.EU/FINAL-CONFERENCE](http://WWW.ZEOCAT-3D.EU/FINAL-CONFERENCE)



**PROGRAM**

16 MARCH 2023

# MORNING

	<b>8:30</b>	<b>WELCOME COFFEE</b>		
	<b>9:00</b>	ZEOCAT-3D	María Tripiana Serrano ▶ IDENER	Introduction
	<b>9:10</b>	ZEOCAT-3D	Fotis Katsaros ▶ DEMOKRITOS	Novel zeolites for methane conversion to aromatics (DMA)
	<b>9:35</b>	C123	Richard Heyn ▶ SINTEF	Results and conclusions of the C123 project
	<b>10:00</b>	ZEOCAT-3D	Ludovic Pinard ▶ CNRS	3D printing as an innovative strategy to improve catalytic performance in the methane dehydroaromatization process
	<b>10:25</b>	C123	Alejandro Romero Limones ▶ GHENT UNIVERSITY	Catalysts and processes for the conversion of methane to CO and ethene
	<b>10:50</b>	BIZEOLCAT	Isabel Vicente Valverde ▶ EURECAT	Sustainable olefins and aromatics by innovative nanocatalysts
	<b>11:15</b>	<b>COFFEE BREAK</b>		
	<b>11:40</b>	C123	Alvaro Amieiro ▶ JOHNSON MATTHEY	Catalysts for the gas phase hydroformylation of ethene
	<b>12:05</b>	ZEOCAT-3D	Carmen Garijo ▶ LUREDERRA	Design and production of very specific nanocatalysts by FSP technology
	<b>12:30</b>	ZEOCAT-3D	Leon R.S. Rosseau, Ivo Roghair & Martin van Sint Annaland ▶ TU/e EINDHOVEN	Catalyst 3D printing for intensified chemical reactors, the heat transfer – pressure drop trade-off
	<b>12:55</b>	ZEOCAT-3D	Riccardo Togni , Alice König, Christoph Kloss & Christoph Goniva ▶ DCS	3D-1D model for the simulation of chemical reactors
	<b>13:20</b>	<b>LUNCHTIME</b>		

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# AFTERNOON

	14:30	ZEOCAT-3D	Dimitris Koutsonikolas & Grigoris Pantoleontos ▶ APTL & CERTH	Biogas upgrading using a gas-liquid contact membrane process
	14:55	BIZEOLCAT	Vittoria Cosentino ▶ NEXTCHEM	Techno-economic assessment of BIZEOLCAT new propane and butane dehydrogenation and propane aromatization
	15:20	C123	Mohamed Mahmoud & Jordy Motte ▶ PDC & GHENT UNIVERSITY	TEA and LCA of the C123 process
	15:45	BIZEOLCAT	Trond Halvorsen ▶ SINTEF	Expected socio-economic impacts of the BIZEOLCAT project on European Neighbourhood Policy countries
	16:10	BIZEOLCAT	Dr. Cem Açıksarı & Dr. Serdar Çelebi ▶ TÜPRAS	Scaling innovative Bizolcat catalysts and reaction tests to reach TRL 5
	16:35	<b>CLOSURE</b>		



Funded by  
the European Union

These projects have received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement Nos. 814548, 814671 & 814557