



The Office of President
Vice-Presidency for Science and Technology
Iran National Science Foundation



Chinese Academy of Science
CAS



Technical Institute of
Physics and Chemistry
Chinese Academy of Science



Institute of Metal Research
Chinese Academy of Sciences

1st International Workshop on Synthesis, Characterization, and Application of Nano-Catalysts (SCANC)

6th -7th of October, 2018 (14 -15 Mehr, 1397)
**Chemistry and Chemical Engineering Research
Center of Iran, Tehran**
(www.ccerci.ac.ir)



Featuring Speakers:



Prof. Tierui Zhang, Technical
Institute of Physics and
Chemistry (TIPC), CAS, China



Prof. Bingsen Zhang, Institute
of Metal Research, CAS, China



Dr. Mustafa al Samarai, Max
Planck Institute for Chemical
Energy Conversion, Germany

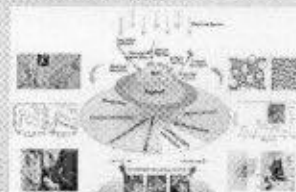


Dr. Mozaffar Shakeri, Assistant
Professor, CCERCI, Iran



Dr. Azam Akbari, Assistant
Professor, CCERCI, Iran

In this interdisciplinary workshop, the modern methods for catalyst synthesis, characterization and application will be presented by chemical engineering, material science and chemistry scientists from **Chemistry And Chemical Engineering Research Center of Iran (CCERCI)** and **Chinese Academy of Science (CAS)** under international Silk Road program. The invited speakers from **Max-Planck Institute** and an Iranian catalyst manufacturer, **Kharazmi Technology Company**, will accompany us in this workshop. In synthesis and application sessions, rational design and synthesis of nanostructured photocatalysts, synthesis of supported catalysts and application in chemical synthesis, and desulfurization catalysts will be presented by Prof. Tierui Zhang (Editorial Board of Scientific Reports Journal) from CAS, Dr. Shakeri and Dr. Akbari from CCERCI. In characterization sessions, recent progress of TEM to characterize solid state catalysts and X-ray absorption spectroscopy (XAS) and its combination with Microscopy (STXM) in characterization of hydrodesulfurization catalysts will be presented by Prof. Bingsen Zhang from Catalysis and Materials Division of CAS, and Dr. Mustafa al Samarai from Max-Planck Institute. An overview on the current status, challenges and perspective of the catalysts production and their application in oil and petrochemical industries in Iran, will be presented by Dr. Reza Rohollahi from Kharazmi Company.



Registration: 25th August to 25th September, 2018

Contact us for registration:

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Tel.: +98 44787813
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Registration Fees:

Students: 1,500,000 Rials
Faculty members: 2,000,000 Rials
Others: 2,500,000 Rials

Bank account number: 217 212 900 1007 (Melli Bank, Khazanedari e Kol Account)
(Shaba number: IR62 0170 0000 0217 2129 0010 07)

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**The workshop certificate will be
awarded by CCERCI & CAS Institute**

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Workshop Program

October 6, Saturday (14 Mehr), CCERCI (Hekmat Hall)

#	Contribution	Time		Speaker	Title
1		7:30	8:00		Registration and reception
2	CCERCI	8:00	8:10	Prof. Mohammadreza Omidkhan	Opening the workshop-greeting and introduction of the event
3	INSF	8:10	8:15	Mr. Payam Parsizadeh	Introduction
4	CAS	8:15	09:30	Prof. Tierui Zhang	Development of nano-catalysts and electro-catalysts
		09:30	09:45		Break
5	CAS	09:45	11:00	Prof. Tierui Zhang	Fundamental of Transmission Electron Microscopy (TEM)
6	CAS	11:00	12:15	Prof. Tierui Zhang	Colloidal inorganic nanostructures in catalysis
		12:15	13:15		Lunch and discussion
7	CAS	13:15	14:30	Prof. Bingsen Zhang	Application of TEM in heterogeneous catalysis
8	CAS	14:30	15:45	Prof. Bingsen Zhang	Development of photocatalysts in catalysis
9	CCERCI	15:45	16:45	Dr. Mozaffar Shakeri	Fundamentals in the preparation and characterization of heterogeneous catalysts

October 7, Sunday (15 Mehr), CCERCI (Hekmat Hall)

#	Contribution	Time		Speaker	Title
1		7:30	8:00		Reception
2	CCERCI	8:00	8:10	Prof. Mohammadreza Omidkhan	Opening and review
3	CCERCI	8:10	9:10	Dr. Azam Akbari	Sulfur removal from oils by heterogeneous catalysis
4	Max Planck (Invited)	9:10	10:25	Dr. Mustafa al Samarai	Fundamentals of X-ray spectroscopy
		10:25	10:45		Break
5	Max Planck (Invited)	10:45	12:00	Dr. Mustafa al Samarai	Application of X-ray spectroscopy in heterogeneous catalysis
		12:00	13:00		Lunch and discussion
6	Kharazmi Technology Company (Invited)	13:00	14:15	Dr. Reza Rohollahi	Preparation of industrial catalysts: progress, challenges, and perspectives in Iran
7	CCERCI	14:15	15:30	Dr. Mozaffar Shakeri	Application of nano-catalysts for production of fine chemicals