



The Office of President

Vice-Presidency for Science and Technology

**Iran National Science Foundation**

# 1<sup>st</sup> International Workshop

on Synthesis, Characterization, and Application of  
Nano-Catalysts (SCANC)

6<sup>th</sup> -7<sup>th</sup> of October, 2018 (14 -15 Mehr, 1397)

Chemistry and Chemical Engineering Research

Center of Iran, Tehran

([www.ccerci.ac.ir](http://www.ccerci.ac.ir))

Chines Academy of Science  
**CAS**



Technical Institute of  
Physics and Chemistry  
Chines Academy of Science



Institute of Metal Research  
Chinese Academy of Sciences



## 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 Omidkhah	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 Omidkhah	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