

OPENING REMARKS SESSION









Chairman: Dr. Sulaiman Al-Khattaf

Technology in Petroleum Refining & Petrochemicals

Venue: KFUPM Research Institute Bldg. 15; 4th Floor, Dhahran, Saudi Arabia, November 7-8, 2016

Day One: Monday, November 7, 2016

7:45 8:00 • <u>H.E.</u>	Open	stration & Coffee Break ing Remarks haled S. Al-Sultan, Rector of KFUPM		<u>Hiraoka</u> , Senior Executive Director, JCCP c <u>hi Tomishige</u> , Head Japan Delegation, JPI
SESSIC	ON ON	NE MODELING/CATALYTIC REAC	CTIONS	Chairman: Dr. Atsushi Ishihara
8:30	1.	Software tools for molecular-level kinetic modeling of refinery and petrochemical reactors, <u>Dr. Michael Klein</u> , Saudi Aramco Chair Professor, KFUPM, Univ. Delaware, USA		
9:00	2.	Hydrogen production by steam reforming reactions over uniform Ni-Fe alloy nanoparticles, <u>Dr. Keiichi Tomishige</u> , Tohoku University, Japan		
9:20	3.	Novel approach to overcome mass-transfer limitation in multiphase reactions with Taylor-Couette flow, <u>Mr. Mohammad Aljishi</u> , Saudi Aramco R&DC		
9:40	4.	Supported Keggin-type heteropolyacid catalysts for isobutene oligomerization and methacrolein oxidation, <u>Dr. Yuichi Kamiya</u> , Hokkaido University, Japan		
10:00		Coffee Break		
SESSIC	ON TV	VO HYDROPROCESSING	Cha	irman: Dr. Mohammed Ba-Shammakh
10:30	5.	Hydroprocessing catalysts for hea	vy oil upgra	ding, <u>Dr. Lianhui Ding,</u> Saudi Aramco R&DC
10:50	6.	SPH (Slurry Phase Hydrocracking) Process as a cutting-edge upgrader for upcoming diesel demand in not-too-distant future, Mr. Daisuke Oka, Chiyoda Corporation, Japan		
11:10	7.	CAN-15 catalyst- data Review, Mr. Vinod Ramaseshan, Saudi Aramco P&CSD		
11:30	8.	Oil refining in a CO_2 constrained world with implications for gasoline and diesel fuels, Mr. Amir Abdul Manan, Saudi Aramco R&DC		
11:50		Prayer & Lunch Break		
SESSIC	ON TH	IREE AROMATICS/PETCOKE		Chairman: Dr. Rashid Al-Othman
13:00	9.	Development of the efficient pro <i>Mr. Masahide Kobayashi, JX Nippon O</i>		
13:20	10.	Selective dehydrocyclization reaction of n-paraffins using zeolite-oxide composite supported NiMo-based catalysts, <i>Dr. Atsushi Ishihara</i> , <i>Mie University, Japan</i>		
13:40	11.	Anode-grade coke from Arabian crudes, Dr. Bandar Solami, Saudi Aramco, R&DC		
14:00		Day One Ends		

Each presentation includes 5-minutes Q&A









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Day Two: Tuesday, November 8, 2016

SESSIO	N F	OUR CATALYTIC OLEFINS	Chairman: Dr. Yuichi Kamiya		
8:15		Registration & Coffee Break			
8:30	12.	Active and stable catalyst for 1-butene cracking to propylene <u>Dr. Arudra Palani</u> , KFUPM-CRP			
8:50	13.	Development of highly selective zeolite based catalysts for naphtha catalytic cracking to ethylene and propylene, <u>Dr. Nabil Al-Yassir</u> , SABIC Technology & Innovation, Riyadh			
9:10	14.	A light olefin selective FCC catalyst based on Ti, Zr-inserted USY zeolite <u>Dr. Yaming Jin.</u> Saudi Aramco R&DC			
9:30	15.	An integrated study on the production of light olefins from catalytic cracking of Arab crude oil fractions in different reactor systems, <u>Dr. Qi Xu</u> , Saudi Aramco R&DC			
9:50		Coffee Break			
SESSIO	N F	IVE CRACKING/DEHYDROGENATION/GAS	Chairman: Dr. Abdullah Al-Malki		
10:20	16.	Study the nano-structured zeolite for hydrocarbon crac Dr. Emad Shafi, Saudi Aramco R&DC	cking		
10:40	17.	Zeolite supported structured catalysts for methanol to propylene conversion Dr. Shakeel Ahmed, KFUPM-CRP			
11:00	18.	Hierarchical nano-consortium catalyst of (Ni, Fe, Co)-Bi-O/support for oxidative dehydrogenation of butane to butadiene, Mr. Gazali Tanimu, KFUPM-CRP			
11:20	19.	Sales gas storage in Saudi Arabia, Dr. Rashid Al-Othman, Saudi Aramco R&DC			
11:40		Prayer & Lunch Break			
SESSIO	N S	IX CARBON STEELS/CORROSION	Chairman: Dr. Abdulaziz Al-Saadi		
13:00 2	20.	Modeling HIC growth in carbon steels: current and future Mr. Kaamil-Ur-Rahman Shibly, Saudi Aramco R&DC	re work at Saudi Aramco R&DC		
13:20 2	21.	Acoustic emission monitoring of HIC growth in carbon steels: laboratory testing Mr. Hussam Attar, Saudi Aramco R&DC			
13:40 2	22.	Development of corrosion inspection technique using ultrasonic testing for the measurement of wall loss of inaccessible components, <u>Mr. Satoru Shiroshita</u> , Non-destructive Inspection Co., Japan			
14:00 2	23.	Prediction of the internal localized corrosion rate in scrapable transmission pipelines Mr. Thibault Villette, Saudi Aramco R&DC			
14:20		Closing Remarks, Symposium Ends			
Each pro	esent	ation includes 5-minutes Q&A	Program: October 26, 2016		

Registration: http://staff.kfupm.edu.sa/RI/maroof/new page 1.htm