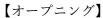
11月12~13日の両日、サウジアラビア KFUPM Dhahran Techno Valley において、Saudi Aramco 社、KFUPM、公益社団法人石油学会(JPI)、 JCCP の4社共催で「第28回日本サウジアラビア合同シンポジムウム」 を開催しました。 初日のオープニングでは KFUPM サヘル学長、アラムコ アル・コウェイターCTO、JCCP 平岡常務理事、並びに JPI 江口会長兼京都大学教授が挨拶を行い、130名を超える研究者や学生、地元邦人企業からの出席を得て盛大なシンポジウムとなりました。 「石油精製および石油化学技術」(Technology in Petroleum Refining & Petrochemicals )が今回のテーマでしたが、クリーン・フューエル、水素、IMO 規制、ペトロリミクス等幅広く、初めてとなる女性による講演も含む、新たな分野の講演が多く実施され、講演数は24件(内、日本から8件(内 2件は JCCP 派遣研究者))となり、活発な質疑応答等が交わされました。





【会場風景】











## **Technology in Petroleum Refining & Petrochemicals**

▲▲▲ Venue: KFUPM Dhahran Techno Valley, Innovation Cluster Bldg., Auditorium 1111▲▲▲

Day One: Monday, November 12, 2018

	Day Offe. Moffday, November 12, 2010				
OPENING REMARKS SESSION			Chairman: Dr. Hassan Al-Asiri		
8:30 • <u>H.E. 1</u>	Openi Dr. Sal		<u>:. <b>Ahmed Al-Khuwaiter</b></u> , CTO, Saudi Aramco <mark>:. <b>Koichi Eguchi</b>,</mark> President, JPI		
SESSIC	N ON	E CLEAN FUELS AND HYDROGEN	Chairman: Dr. Takeshi Shiono		
9:00	1.	Keynote: Hydrogen energy based society, <u>l</u>	<u> Pr. Koichi Eguchi</u> , JPI		
9:30	2.	Hydrogen production through thermo-neu catalysts, <u>Dr. Shakeel Ahmed</u> , KFUPM/CRP	tral reforming of liquid fuels using structured		
9:50	3.	Catalytic steam reforming of biomass-deriv Sekine, Waseda University, Japan	vatives for hydrogen production, <u>Dr. Yasushi</u>		
10:10	4.	<b>Design of scalable and stable catalysts for C</b> <i>KFUPM/CENT</i>	CO <sub>2</sub> reforming of methane, <u>Dr. Oki Muraza</u> ,		
10:30		Coffee Break			
SESSION TWO NEW CHALLENGES: FUELS/CHEMICALS Chairman: Dr.Ali Al-Shareef					
10:50	5.	Keynote: Future fuels & petrochemicals: no Dr. James Johnson, Honeywell UOP, USA	ew technologies in the face of new challenges		
11:20	6.	Clean energy generation by artificial photo	synthesis based on semiconductor technology		
		<u>Dr. Kazuhiro Ohkawa</u> , KAUST			
11:40	7.	The effect of lanthanum exchange on USY-z isobutane, <u>Dr. Mohammed Al-Dossary</u> , Saudi A			
12:00		Prayer & Lunch Break			
SESSION THREE IMO REGULATIONS/HEAVY OIL Chairman:Dr.Khalid Al-Hooshani					
13:00	8.	Responding to 2020 IMO SOx regulation, $\underline{M}$	r. Atsunori Sato, JGC Corporation, Japan		
13:20	9.	Effect of zeolite Y modification on reaction hydrocracking, <i>Dr. Lianhui Ding, Saudi Aramo</i>			
13:40	10.	Oil soluble dispersed catalysts for slurry plants. <i>Al-Attas, KFUPM/ChE</i>	hase hydrocracking of heavy VGO, <u>Mr. Tareq</u>		
14:00	11.	Development of Petroleomics from fundamental	entals to applications, <u>Dr. Kazuhiro Inamura</u> ,		

Each presentation includes 5-minutes Q&A

Day One Ends

**14:20** 

Japan Petroleum Energy Center (JPEC), Japan

http://catsymp.kfupm.edu.sa/



Registration & Coffee Break

**SESSION FOUR** 

8:00



CATALYST TECHNOLOGY/AROMATICS





Chairman: Dr. Yasushi Sekine

## **Technology in Petroleum Refining & Petrochemicals**

▲▲▲ Venue: KFUPM Dhahran Techno Valley, Innovation Cluster Bldg., Auditorium 111▲▲▲

## Day Two: Tuesday, November 13, 2018

0.00	nogloss asion as copyed 27 can		
8:30 12.	Effect of alumina binder on deactivation behavior of Pt-Beta catalyst for transalkylation of toluene with 1,2,4-trimethylbenzene, <u>Dr. Faisal Al-Mulla</u> , Saudi Aramco R&DC		
8:50 13.	Driving catalysis innovation in petrochemicals through designing of unneglectable support materials, <u>Dr. Muhammad Haider</u> , SABIC Riyadh		
9:10 14.	Study the nano-structured zeolites for hydrocarbon reforming: kinetic and reaction pathways, <i>Dr. Ali N. Al-Jishi</i> , Saudi Aramco R&DC		
9:30 15.	Advance characterization of heterogeneous catalyst of core-shell Pt@SiO2		
	nanoparticles, <u>Dr. Noor Al-Mana</u> , Saudi Aramco R&DC		
9:50	Coffee Break		
SESSION FI	VE PETROCHEMICAL APPLICATIONS Chairman: Mr. Alhussain Bakhurji		
10:20 16.	Numerical modeling for selected chemical processes, <u>Dr. Tarek Jamaleddine</u> , SABIC Riyadh		
10:40 17.	Oxidative reforming of n-butane to ethylene, propylene and syngas on acid/base nano-hybrid catalyst, <i>Dr. Sachio Asaoka</i> , <i>KFUPM-RI/CRP</i> and <i>JCCP</i>		
11:00 18.	Light naphtha upgrading to aromatics using metal modified MFI zeolite catalysts, <a href="mailto:Dr. Yaming Jin">Dr. Yaming Jin</a> , Saudi Aramco R&DC		
11:20 19.	Upgrading of unused heavy fuel oil over iron oxide based catalysts under sub and supercritical water conditions, <u>Dr. Takuya Yoshikawa</u> , Hokkaido University, Japan		
11:40 20.	<b>Zeolite catalyst development for enhancing p-xylene selectivity,</b> <u>Dr. Mohammed Al-Bahar</u> , Saudi Aramco R&DC		
12:00	Prayer & Lunch Break		
SESSION SIX COMPOSITES AND POLYMERIS Chairman: Dr. Mohammed Ba-Shammakh			
13:00 21.	MgO-blended polyethylene glycol composites as a shape-stabilized phase change material for solar thermal energy storage, <u>Dr. Md. Hasan Zahir</u> , KFUPM-CoRERE		
13:20 22.	Nuclear Magnetic Resonance (NMR) Spectroscopy at Saudi Aramco's R&D Center: Where Synergy is Opportunity, <u>Dr. Qasim Saleem</u> , Saudi Aramco R&DC		
13:40 23.	Catalytic conversion of Saudi alpha-olefins to energy-saving value-added polymeric flow aids, <u>Dr. Muhammad Atiqullah</u> , KFUPM/CRP		
14:00 24.	Novel cycloolefin copolymers synthesized by ansa-dimethylsilylene fluorenyl)(amido) titanium-based catalysts, <i>Dr. Takeshi Shiono, Hiroshima University, Japan</i>		
	transam based eataryses, <u>br. rakesm smono,</u> mrosmma omversity, japan		

Each presentation includes 5-minutes Q&A

Program as of Oct. 22, 2018

Registration: <a href="http://catsymp.kfupm.edu.sa/register.htm">http://catsymp.kfupm.edu.sa/register.htm</a> Center for Refining & Petrochemicals: Phone 013 860-2029