Short Time table 1st RoHan DAAD SDG Summer School 2017 *"Challenges in Vietnamese Society – Impact of catalysis"*

Location: pentaHotel, Schwaansche Str. 6, 18055 Rostock

	Tuesday 02.05.2017	Wednesday 03.05.2017	Thursday 04.05.2017	Friday 05.05.2017	Saturday 06.05.2017
	Topic 1 How can we solve challenges in Vietnamese society	***9:00 Signing of the MoU***	**Topic 3 Catalysis for chemical and energy conversion**	**Topic 3 Catalysis for chemical and energy conversion**	**Topic 4 Catalysis in Environmental Sciences**
09:00	Welcome - Löbermann, Vice-rector UR; Langer, UR; Son, President, HUST; Challenges in German society, Kragl	**Topic 2 Introduction to Catalysis and Environment**	IL-11 Carbon dioxide as hydrogen vector - Laurenczy, EPFL, CH	IL-15 Bioenergy development in Vietnam, the role of catalysis and adsorbent – Tho, HUST	IL-19 Catalytic treatment of PCBs over Pd-Me/ordered mesoporous carbon – Lien, HUST
10:00	Coffee Break	Coffee break	Coffee break	Coffee break	Coffee break
10:15	IL-1 Green Growth and Sustainable Development in Vietnam - Challenges and Opportunities - Noi, Rector, VNU-HUS	IL-6 Photocatalytic materials based on nano TiO2 in the treatment of some dyes in wastewater – Trung, VNU-HUS	IL-12 Catalytic conversion of renewable resources into bulk and fine chemicals – de Vries, LIKAT	IL-16 Acid supported noble metal (Pt) bifunctional catalysts for the hydroisomerization, hydrocracking - Huyen, HUST	IL-20 Mixed oxide catalysts as three way catalysts for the treatment of auto emissions - Thang, HUST
11:00	IL-2 Impact of Catalysis in Vietnam – Son, VNU-HUS	IL-7 Chemical Environmental Technology – Kragl, UR	IL-13 Conversion of unsaturated hydrocarbons over modified Mg/Al hydrotalcites - Thao, VNU-HUS	IL-17 Sun fuels based on water and carbon dioxide -"the coal (oil) of the future"? - Junge, LIKAT	Il-21 Catalytic ozonation of phenol in wastewater using Fe-Fe3O4/Graphene - Ha, VNU-HUS
12:00	Lunch /Postersession	Lunch	Lunch	Lunch/Postersession	Lunch
	Topic 2 Introduction to Catalysis and Environment	**Topic 2 Introduction to Catalysis and Environment**	**Topic 3 Catalysis for chemical and energy conversion**	**Topic 4: Catalysis in Environmental Chemistry and Environmental Sciences**	**Topic 4: Catalysis in Environmental Chemistry and Environmental Sciences**
13:30	IL-3 Basics in heterogeneous catalysis – Kondratenko, LIKAT	IL-8 Hydrotalcite based catalyst for coconut oil decarboxylation obtaining green kerosene – Hong, HUST	IL-14 Study on the effect of polar organic solvent as catalyst – Nghia, HUST	IL-18 Towards kinetic and mechanistic studies in photocatalytic CO2 reduction- Strunk, LIKAT	OP-9 Application of photocatalysts in disinfection and chances for Vietnam – Oanh, VNU-HUS
14:00			OP-1 Deactivation/Stabilization of low Ni content catalyst in dry reforming – Ha, LIKAT		OP-10 C3N4 photocatalysis with ozone under visible light towards superior mineralization of water pollutants – Xiao, LIKAT
14:30	IL-4 Basics in homogeneous catalysis – Mejia, LIKAT	IL-9 Recent trends in automotive catalysis - Grünert, University of Bochum	OP-2 Role of dopant and support in CO2 conversion into C3-C4 alcohols with H_2 and C2-C3 olefins – Heyl, LIKAT	Future Solution Workshop Part 1	OP-11 Hydrothermal synthesis of nanostructured manganese dioxides for use in water treatment – Tu, VNU-HUS
15:30			OP-3 Nano-particle catalyst hydrogenation of natural rubber in latex stage - Ha, HUST		OP-12 Spectroscopic investigations of the iron catalyzed carbon dioxide reduction – Oberem, UR
15:30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
16:00	IL-5 Spectroscopic methods in Catalysis – Ludwig, UR	IL-10 Environmental impact of catalysis - options for bioenergy system integration and sector coupling - Schüch, UR	OP-4 Iron-impregnated fly ash as heterogeneous Fenton-like catalyst – Duc, VNU-HUS	Future Solution Workshop Part 2	OP-13 Low-temperature NH_3-SCR of NO over efficient $V_2O_5/Ce_{1-x}Ti_xO_2$ catalysts – Huyen, LIKAT
16:30			OP-5 Iron-Impregnated Silica as High Active Heterogeneous Fenton-Like Catalyst for Degradation of Tartrazine – Tuan, HUST		OP-14 Selective catalytic reduction of NO_x by NH_3 using $VO_x/Ce_yFe_{1-y}O_2$-δ type catalysts – Keller, LIKAT
17:00	Dinner Poster session	Boat trip Dinner	OP-6 Tungsten Alkyne Complexes as Scaffold for Novel Metallodiphos – Lange, UR	Dinner Poster session	IL-22 Soil degradation and sustainable land use in Vietnam - Hai, VNU-HUS
17:30			OP-7 Electrodeposited micro-nano dual porous gold modified carbon substrate for fuel cell application – Viet, VNU-HUS		IL-23 Current situation and course of action for sound chemical management in Vietnam - Cam, VNU-HUS
18:00			OP-8 Multifunctional PAH-based chromophore for chemical sensing and catalysis – Hai, VNU-HUS		Closing Ceremony
18:30			Dinner		Dinner
20:00	End	End	End	End	End
	Monday 08.05.2017	**Tuesday 09.05.2017**	**Wednesday 10.05.2017**	**Thursday 11.05.2017**	**Friday 12.05.2017**
	Free or may be Shell	9:00 to 16:00 UR/LIKAT	9:00 Nordex (max. 15 Persons) 18:00 Network BVMW/CART	14:00 Europaschule Reutershagen	Going back to berlin

	Tuesday 02.05.2017
	Topic 1 How can we solve challenges in Vietnamese society
09:00	Welcome – Prof. Dr. Bettina Eichler-Löbermann, Vice-rector for Internationalisation, Gender and Diversity Management, University of Rostock (UR)
9:10	Welcome – Prof. Dr. Peter Langer, Director of the Institute of Chemistry, University of Rostock (UR)
9:20	Welcome - Prof. Hoang Minh Son, President of the Hanoi University of Science and Technology (HUST)
9:30	Challenges in German society - Prof. Udo Kragl, Vice-rector of Research and Research education, UR, and Project manager RoHan
10:00	Coffee Break
10:15	IL-1 Green Growth and Sustainable Development in Vietnam - Challenges and Opportunities - Prof. Nguyen Van Noi, Rector, Vietnam National University – University of Science (VNU-HUS)
11:00	IL-2 Impact of Catalysis in Vietnam – Prof. Le Thanh Son, VNU-HUS
12:00	Lunch
	Topic 2 Introduction to Catalysis and Environment
13:30	IL-3 Basics in heterogeneous catalysis – PD Dr. Evgenii Kondratenko, Leibniz-Institute for Catalysis (LIKAT)
14:30	IL-4 Basics in homogeneous catalysis – Dr. Esteban Mejia, LIKAT
15:30	Coffee break
16:00	IL-5 Spectroscopic methods in Catalysis – Prof. Ralf Ludwig, UR
17:00	Dinner - Poster session
20:00	End

	Wednesday 03.05.2017
09:00	***9:00 Signing of the MoU*** ***UR – Prof. Dr. Wolfgang Schareck, Rector of the UR*** ***LIKAT – Prof. Matthias Beller, Director of the LIKAT*** ***HUST – Prof. Hoang Minh Son, President of the HUST*** ***VNU – Prof. Nguyen Van Noi , Rector of the VNU-HUS***
	Topic 2 Introduction to Catalysis and Environment
10:00	IL-6 Synthesis and application of photocatalic materials based on nano TiO_2 in the treatment of some dyes in wastewater at Lab of Environmental Chemistry - Prof. Do Quang Trung, VNU-HUS
11:00	IL-7 Chemical Environmental Technology – Prof. Udo Kragl, UR
12:00	Lunch
	Topic 2 Introduction to Catalysis and Environment
13:30	IL-8 Hydrotalcite based catalyst for coconut oil decarboxylation obtaining green kerosene - Prof. Nguyen Khanh Dieu Hong, HUST
14:30	IL-9 Recent trends in automotive catalysis - Prof. Wolfgang Grünert, University of Bochum
15:30	Coffee break
16:00	IL-10 Environmental impact of catalysis - options for bioenergy system integration and sector coupling"- Dr. Andrea Schüch, UR
17:00	Boat trip + Dinner

20:00	End

	Thursday 04.05.2017
	Topic 3 Catalysis for chemical and energy conversion
09:00	IL-11 Carbon dioxide as hydrogen vector - Prof. Gabor Laurenczy, École polytechnique fédérale de Lausanne (EPFL), CH
10:00	Coffee break
10:15	IL-12 Catalytic conversion of renewable resources into bulk and fine chemicals - Prof. Johannes de Vries, LIKAT
11:00	IL-13 Conversion of unsaturated hydrocarbons over modified Mg/Al hydrotalcites - Prof. Nguyen Tien Thao, VNU-HUS
12:00	Lunch
	Topic 3 Catalysis for chemical and energy conversion
13:30	IL-14 Study on the effect of polar organic solvent as catalyst on the removal of Proteins from natural rubber - Prof. Phan Trung Nghia, HUST
14:00	OP-1 Deactivation/Stabilization of low Ni content catalyst in dry reforming - Quan Luu Manh Ha, LIKAT
14:30	OP-2 Role of dopant and support in CO_2 conversion into C3-C4 alcohols with H_2 and C2-C3 olefins over Au catalysts - Denise Heyl, LIKAT
15:00	OP-3 Nano-particle catalyst hydrogenation of natural rubber in latex stage - Nguyen Thu Ha, HUST
15:30	Coffee break
16:00	OP-4 Iron-impregnated fly ash as heterogeneous Fenton-like catalyst for the decolourization of Reactive Blue 182 Dye - Dao Sy Duc, VNU-HUS
16:30	OP-5 Iron-Impregnated Silica as High Active Heterogeneous Fenton-Like Catalyst for Degradation of Tartrazine from Aqueous Solution - Vu Anh Tuan, HUST
17:00	OP-6 Tungsten Alkyne Complexes as Scaffold for Novel Metallodiphos and Carbon-based FLPs - Helge Lange, UR
17:30	OP-7 Electrodeposited micro-nano dualporous gold modified carbon subtrate as catalyst to oxidize glucose in potential application for fuel cell - Nguyen Xuan Viet, VNU-HUS
18:00	OP-8 Multifunctional PAH-based chromophore for chemical sensing and potential application in catalysis - Nguyen Minh Hai, VNU-HUS
18:30	Dinner

	Friday 05.05.2017
	Topic 3 Catalysis for chemical and energy conversion
09:00	IL-15 Bioenergy development in Vietnam, the role of catalysis and adsorbent - Prof. Van Dinh Son Tho, HUS
10:00	Coffee break
10:15	IL-16 Acid supported noble metal (Pt) bifunctional catalysts for the hydroisomerization, hydrocracking - Prof. Pham Thanh Huyen, HUST
11:00	IL-17 Sun fuels based on water and carbon dioxide - "the coal (oil) of the future"? - Dr. Henrik Junge, LIKAT
12:00	Lunch/Poster Session

	Topic 4: Catalysis in Environmental Chemistry and Environmental Sciences
13:30	IL-18 Towards kinetic and mechanistic studies in photocatalytic CO_2 reduction – Prof. Jennifer Strunk, LIKAT
14:00	
14:30	Future Solution Workshop Part 1
15:30	
15:30	Coffee break
16:00	Future Solution Workshop Part 2
16:30	
17:00	
17:30	Dinner, Poster session
20:00	End

	Saturday 06.05.2017
	Topic 4 Catalysis in Environmental Sciences
09:00	IL-19 Catalytic treatment of PCBs over Pd-Me/ordered mesoporous carbon – Prof. Nguyen Hong Lien, HUST
10:00	Coffee break
10:15	IL-20 Mixed oxide catalysts as three way catalysts for the treatment of auto emissions - - Prof. Le Minh Thang, HUST
11:00	IL-21 Catalytic ozonation of phenol in wastewater using Fe-Fe_3O_4/Graphene - Prof. Nguyen Thi Ha, VNU-HUS
12:00	Lunch
	Topic 4: Catalysis in Environmental Chemistry and Environmental Sciences
13:30	OP-9 Application of photocatalysts in disinfection and chances for Vietnam - Le Thi Hoang Oanh, VNU-HUS
14:00	OP-10 Dramatic coupling of C_3N_4 photocatalysis with ozone under visible light towards superior mineralization of water pollutants - Jiadong Xiao - LIKAT
14:30	OP-11 Hydrothermal synthesis of nanostructured manganese dioxides for use in water treatment - Truong Thanh Tu, VNU-HUS
15:30	OP-12 Infrared spectro-electrochemical and infrared spectroscopic investigations of the iron catalyzed carbon dioxide reduction, Elisabeth Oberem - UR
15:30	Coffee break
16:00	OP-13 Low-temperature NH_3-SCR of NO over efficient $V_2O_5/Ce_{1-x}Ti_xO_2$ catalysts studied by operando spectroscopies - Vuong Huyen, LIKAT
16:30	OP-14 Selective catalytic reduction of NO_x by NH3 using $VO_x/Ce_vFe_{1-v}O_2$-δ type catalysts - Sonja Keller, LIKAT
17:00	IL-22 Soil degradation and sustainable land use in Vietnam - Prof. Nguyen Xuan Hai, VNU-HUS
17:30	IL-23 Current situation and course of action for sound chemical management in Vietnam - Prof. Bui Duy Cam, VNU-HUS
18:00	Closing Ceremony
18:30	Dinner
20:00	End