



IRTG^{MS-NG}

International Research Training Group
Münster / GERMANY - Nagoya / JAPAN



University of Münster / Germany



Nagoya University / Japan

13th IRTG Joint Symposium

**University of Münster and
Nagoya University**

Monday, May 7th and Tuesday, May 8th 2012

**Westfälische Wilhelms-Universität Münster
Organische/Anorganische Chemie, Wilhelm-Klemm-Str. 6**

Lecture Hall O1



Monday, May 7th

- 09:00** **Opening address**
Prof. G. Erker, Spokesman of the IRTG Münster-Nagoya
- 09:15** **Prof. Shigehiro Yamaguchi**
Department of Chemistry, Nagoya
"Design and Synthesis of New Functional pi-Electron Materials"
- 09:45** **Mr. Siong Wan Foo**
Group of Prof. Noyori, Assoc. Prof. Saito
Department of Chemistry, Nagoya
"Iron/Amino Acid Catalyzed Direct N-Alkylation of Amines with Alcohols"
- 10:05** **Prof. Martin Oestreich**
Department of Chemistry, Berlin
"Tamed Silicon Cation: Characterization and Catalysis"
- 10:35** **Coffee break**
- 11:00** **Asst. Prof. Yasuyuki Yamada**
Group of Prof. Tanaka
Department of Chemistry, Nagoya
"Synthesis of porphyrin/phthalocyanine supramolecular stacked arrays via rotaxane formation"

**11:30****Mr. Kazuhiro Mouri**

Group of Prof. Yamaguchi, Department of Chemistry, Nagoya
"Cyclic Thiazole Tetramers: Synthesis, Structures, and Properties"

11:50**Prof. Kazuyuki Tatsumi**

Department of Chemistry, Nagoya
"The Flexible Nature of Iron-Sulfide Clusters - Nitrogenase P-Cluster/FeMo-co Models -"

12:20**Mr. Adrian Schulte**

Group of Prof. Wünsch, Department of Pharmacy, Münster
"Title"

12:40**Lunch break****14:00****Prof. Gerhard Erker**

Department of Chemistry, Münster
"Frustrated Lewis Pairs: Some Recent Results"

14:30**Mr. Hendrik Wagner**

Group of Prof. Studer, Department of Chemistry, Münster
"O₂ can do - new synthetic pathways towards polynitroxides"

14:50**Assoc. Prof. Susumu Saito**

Department of Chemistry, Nagoya
"Catalytic Transformation of Amides"



15:20

Mr. Katsuaki Kawasumi

Group of Prof. Itami, Department of Chemistry, Nagoya

"Direct π -extension of PAHs by C-H Functionalization"

19:00

Dinner at Restaurant Relax

Tuesday, May 8th

09:00

Asst. Prof. Takashi Fukushima

Department of Chemistry, Nagoya

"Structure Control of Cage-shaped Supramolecular Protein, Ferritin, by External Stimuli"

09:30

Ms. Lilia Lohrey

Group of Prof. Humpf, Department of Chemistry, Münster

"Title"

09:50

Prof. Armido Studer

Department of Chemistry, Münster

"Chemistry with Cyclohexadienes and Cycloadditions using 2-Nitrosopyridine"

10:20

Mr. Takuya Fujimoto

Group of Prof. Awaga, Department of Chemistry, Münster

"Crystal Structure, and Electronic and Electrochemical Properties of Octathio[8]circulene"

**10:40****Coffee break****11:10****Prof. Frank Glorius**

Department of Chemistry, Münster

*"Stories on design & surprise: C-H activation and asymmetric arene hydrogenation"***11:40****Mr. Christoph Glotzbach**

Group of Prof. Würthwein, Department of Chemistry, Münster

*"Title"***12:00****Prof. Akiyoshi Hishikawa**

Department of Chemistry, Nagoya

*"Atoms in intense EUV FEL laser fields"***12:30****Mr. Yuki Iijima**

Group of Prof. Shinohara, Department of Chemistry, Nagoya

*"Scanning Tunneling Microscopy / Spectroscopy Studies on Nanocarbons: Nanopeapods and Graphene Nanoribbons"***12:50****Lunch break****14:00****Dr. Ulrich Hennecke**

Department of Chemistry, Münster

"From Asymmetric Halocyclisation Reactions to Bromine-Induced Semipinacol Rearrangements"



14:30

Ms. Zhaoyang Zeng

Group of Prof. Eckert, Department of Chemistry, Münster
"Title"

14:50

Asst. Prof. Hirofumi Yoshikawa

Department of Chemistry, Nagoya
"Nano-hybrid materials between polyoxometalates and nanocarbons"

15:20

Mr. Christoph Grohmann

Group of Prof. Glorius, Department of Chemistry, Münster
"Titel"

15:40

Closing remarks

Prof. Kazuyuki Tatsumi

19:00

Dinner at Restaurant A2

Poster Presentations

- 1) Raúl Adler-Yanez, Gerhard Erker
Reactivity of Intramolecular Frustrated Lewis-Pairs Towards Alkenes
- 2) Janine Fröhlich, Bernhard Wünsch
Synthesis of conformationally restricted k -receptor agonists by double Henry reaction
- 3) Christoph Glotzbach, Ernst-Ulrich Würthwein, Shigehiro Yamaguchi
A Modular Based Fluorescent Oligonitrile-Boron System
- 4) Tobias Greulich, Armido Studer
Synthesis of a Bis(phosphoryl)-bridged Bipyridine by Radical Phosphanylation
- 5) Eva Koch, Armido Studer
Meta-Selective Biaryl Synthesis by Palladium-Catalyzed Decarboxylative C(sp³)-C(sp²) Coupling and Oxidation
- 6) C. D. F. Königs, H. F. T. Klare, Y. Ohki, K. Tatsumi, and M. Oestreich
Dehydrogenative Coupling of Enolizable Carbonyl Compounds with Silanes Involving Catalytic Generation of the Silicon Electrophile
- 7) Kristine Mütter, Roland Fröhlich, Christian Mück-Lichtenfeld, Stefan Grimme, Martin Oestreich
Characterization of a Ferrocene-Stabilized Silicon Cation
- 8) Christian Radunsky, Jens Müller
Hydrazone-based nucleosides in metal-ion-mediated base pairs and their model complexes

- 9) Nils Schröder, Frank Glorius
High yielding, versatile and practical [Rh(III)Cp]-catalyzed ortho-bromination and iodination of arenes*
- 10) Friederike Schröter, Bart-Jan Ravoo
Catalytic Micro Contact Printing
- 11) Friederike Sibbel, Armido Studer
From Surface-Bound Proteines towards Proteines on a Chip
- 12) Adrian Schulte, Susumu Saito, Bernhard Wunsch
Development of a Sustainable Stereoselective Synthesis of kappa-Opioid Receptor Agonists
- 13) Sina Schwendemann, Gerhard Erker
"Frustrated Lewis-Adducts" in Hydrogenation Reactions and Activation of Small Molecules
- 14) Hendrik Wager, Armido Studer
O₂ can do - new synthetic pathways towards polynitroxides
- 15) Zhaoyang Zeng, Hellmut Eckert
Synthesis and Characterization of Hybrid Materials based on the Intercalation of Organic Radicals into Inorganic Clays