

2nd Graduate Student Symposium
18 & 19 April 2005
SR28

Symposium Programme

DAY 1

- 9.30am to 9.45am Introduction by Asst Prof Yip Hon Kay, John
- 9.45am to 10.15am Prebiotic Synthesis
Mr Koh Chin Wai, Alaric
(Examiners: A/P Leong WK, A/P Kang HC)
- 10.15am to 10.45am Role of Structural Factors in the Nonlinear Optical Properties of Phthalocyanines and Related Compounds
Miss Che Huijuan
(Examiners: Prof Chan SOH, A/P Leong WK)
- 10.45am to 11.15am Dynamics of Surface Photochemistry
Mr Chwee Tsz Sian, Jeremy
(Examiners: Dr Sim WS, A/P Loh KP, Dr Fan WY)
- 11.15am to 11.45am Design and Application of Labeling Reagents for ESI-MS
Mr Gao Yongnian
(Examiners: A/P Li TH, Dr Lear MJ)
- 11.45am to 12.15pm Organometallic Chemistry on Silicon Surfaces
Mr Gu Feng
(Examiners: A/P Ang SG, Dr Huynh HV)
- 12.15pm to 12.45pm Investigation of Artificial Membranes by Langmuir Troughs
Mr Guo Lin
(Examiners: Dr Wobland T, Dr Suresh V, A/P Jaenicke S)
- 12.45pm to 4.30pm *Lunch Break and recess*
- 4.30pm to 5.00pm Green Synthesis of Cyclic Carbonate from Carbon Dioxide
Mr Shi Xianke
(Examiners: Dr Wobland T, Dr Lu YX)
- 5.00pm to 5.30pm Detection of the Small Molecule and Protein Interaction by using the Nanowire Nanosensor
Mr Wang Jun
(Examiners: Dr Yao SQ, A/P Yang DW, A/P Kboo SB)
- 5.30pm to 6.00pm Some Brilliant Routes to a Simple Molecule --- Biotin
Miss Wang Yifan
(Examiners: A/P Li TH, Dr Yao SQ, Dr Tan CH)

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DAY 2

9.30am to 10.00am	Computational Studies on Antioxidants Mr Krishnan Chandrasekaran <i>(Examiners: Dr Bettens RA, A/P Kang HC)</i>
10.00am to 10.30am	Formation Process of a supramolecule--Cyd Necklace--Analysis of Hydrogen Bonding on a Molecular Level Mr Xu Changhua <i>(Examiners: Prof Chan SOH, A/P Vittal JJ)</i>
10.30am to 11.00am	New Development of Coupling Reactions (Stille Reaction, Suzuki Reaction and Heck Reaction) Mr Zhang Yi <i>(Examiners: Dr Huynh HV, Dr Yip HK, A/P Leong WK)</i>
11.00am to 11.30am	Chemistry in Microstructure Reactors Mr Zhou Weihua <i>(Examiners: A/P Chuah GK, A/P Vittal JJ, A/P Zhou WB)</i>
11.30am to 12.00pm	Synthesis and Chemistry of Molecular Tweezers Mr Zhuang Haiyu <i>(Examiners: Dr Suresh V, Dr Sim WS, A/P Chuah GK)</i>
12.00pm to 12.30pm	Activation of Dioxygen by Non-heme Iron Centers: A Bioinorganic Model Study Mr Balakrishna Chandrababu Karthik <i>(Examiners: A/P Yang DW, Dr Yip HK, Dr Lu YX)</i>
12.30pm to 1.00pm	Localized Corrosion Study by Scanning Electrochemical Microscopy Mr Chong Kwok Feng <i>(Examiners: A/P Lob KP, Dr Bettens RA)</i>
1.00pm to 2.00pm	<i>Lunch Break</i>
2.00pm to 2.30pm	Molecular Design, Electronic Structures and Conductivity Mr Dong Dong <i>(Examiners: Prof Xu GQ, Dr Bettens RA)</i>
2.30pm to 3.00pm	Effect of Load and Temperature on in vitro Degradation of Poly(glycolide-co-L-lactide) Multifilament Braids Miss Duan Hongxia <i>(Examiners: A/P Khor E, A/P Siow KS)</i>
3.00pm to 3.30pm	<i>Recess</i>
3.30pm to 4.00pm	Ionic liquids based QCM sensors Miss Lau Hui Fang <i>(Examiners: Dr Wobland T, Dr Tob CS, A/P Li TH)</i>

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| 4.00pm to 4.30pm | Some Recent Developments on Polymer-Clay Composites
Mr Neo Min Shern
<i>(Examiners: Dr Chin WS, Prof Gob SH, A/P Siow KS)</i> |
| 4.30pm to 5.00pm | Nano-materials, Structures and Nature
Miss Shao Yanxia
<i>(Examiners: Prof Xu GQ, A/P Loh KP, Dr Chin WS)</i> |
| 5.00pm to 5.30pm | An Insight into Molecularly Imprinted Polymers and their Applications
Miss Sun Cuilian
<i>(Examiners: A/P Barlow P, Dr Suresh V, A/P Khor E)</i> |
| 5.30pm to 6.00pm | The biosynthesis of cholesterol and the current state of related areas
Mr Wang Yi
<i>(Examiners: Dr Lear MJ, Dr Tan CH, Dr Lu YX)</i> |