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2011 Summer Research Internship, Ultrafast Optical Spectroscopy, Nanyang Technological University, Singapore

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Ultrafast Optical Spectroscopy (or Femtosecond laser spectroscopy) is a powerful technique for obtaining information on the carrier and quasi-particle dynamics in material systems on ultrashort time scales. This is an emerging field that is full of challenges and new opportunities. Detailed knowledge of such ultrafast dynamics is essential for the development of novel materials for electronics and optoelectronics applications. We welcome applications for a Summer Research Internship at our group – xC-laboratory. Below is the project description:

Ultrafast Spectroscopy of Novel Plasmonic/Organic photovoltaic cells
In this project, we investigate the charge carrier dynamics in the novel plasmonic/organic photovoltaic cells (e.g. Au Nanowire/P3HT-PCBM organic photovoltaic (OPV) devices) using ultrafast spectroscopy (e.g. Transient Photoluminescence, Transient Absorption etc). Research based on these novel systems can provide a better understanding of the basic physics governing energy and charge transfer between the organic and Au nanowire systems that could possibly lead to enhanced power conversion efficiencies in light harvesting devices.

About the Program
The **Summer Research Internship (SRI) Programme** at **Nanyang Technological University** is a university wide Research Programme initiated to stimulate a culture of research for the overseas undergraduates. Participants for this programme will develop research interest, strong sense of cross-cultural intelligence, gain a network of friends and a better understanding of our nation. Eligible overseas undergraduate students will be given an allowance, and are expected to fulfill a 8-week research attachment comprising project work at NTU, and presentation of their research project at a closing ceremony. All participants will receive a certificate issued by NTU upon completion of the programme. An attractive SRI grant covering Tuition fees and a one-off allowance amounting up to SGD $3,000 (which will help to cover hostel fees) will be awarded to the successful applicant.

More details of the eligibility and application procedures can be found here:
http://global.ntu.edu.sg/global/SRI/Pages/SRIProgramme.aspx

Application Dateline: 31 Dec 2010

Please feel free to contact me (tzechien[at]ntu.edu.sg) if you require more information or advice on the application procedures, cost of living in Singapore etc.

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1. Fully Funded Scholarships, King Fahd University of Petroleum and Minerals, Saudi Arabia
2. Master Scholarships, Faculty of Medicine, Imperial College London, UK
3. Fully Funded YSEALI Academic Fellowship, USA
4. Fully Funded Australia Awards Scholarships
5. Fully Funded GCE A Level Scholarships for Indonesian Students, Singapore
6. Fully Funded Master Scholarships, Kyoto University, Japan
7. Fully Funded Scholarships, Mohamed bin Zayed University of Artificial Intelligence, UAE
8. Fully Funded Scholarships in Astronomy, University of Cambridge, UK
9. Full Tuition Fee LLM Scholarships, University of Warwick, UK
10. Fully Funded Scholarships – Qatar University
11. Fully Funded Scholarships, Bond University, Australia
12. Fully Funded Art Major Asian plus Scholarships, Korea National University of Arts, South Korea
13. Full Funded VLIR-ICP Master Scholarships, KU Leuven, Belgium

14. Fully Funded Fulbright Distinguished Awards in Teaching Program, USA
15. Fully Funded Scholarships, Pukyong National University, South Korea
16. Fully Funded Scholarships, Yeungnam University, South Korea
17. Fully Funded Scholarships, Sungkyunkwan University, South Korea
18. Fully Funded Scholarships, Sunchon National University, South Korea
19. Fully Funded Scholarships, Seoul National University of Science and Technology, South Korea
20. Fully Funded Scholarships, Pusan National University, South Korea
21. Fully Funded Scholarships, Kyungpook National University, South Korea
22. Fully Funded Scholarships, University of New England, Australia
23. Fully Funded Scholarships, Kunsan National University, South Korea
24. Fully Funded Scholarships, Kookmin University, South Korea
25. Fully Funded Scholarships, Kangwon National University, South Korea
26. Fully Funded Scholarships, Jeonbuk National University, South Korea
27. Fully Funded Scholarships, Hoseo University, South Korea
28. Fully Funded Scholarships, Gyeongsang National University, South Korea
29. Fully Funded Scholarships, Dongseo University, South Korea
30. Fully Funded Scholarships, Dongguk University, South Korea
31. Fully Funded Scholarships, Chung-Ang University, South Korea
32. Fully Funded Scholarships, Chonnam National University, South Korea
33. Fully Funded Scholarships, Ajou University, South Korea
34. Fully Funded Graduate Scholarships for International Students, South Korea
35. Fully Funded Fulbright Foreign Language Teaching Assistant, USA
36. Fully Funded Scholarships, CERGE-EI, Czech Republic
37. Full Tuition Fee Scholarships for Female Students from Developing Countries, Swansea University, UK
38. Master Scholarships, University of Twente, Netherlands
39. Fully Funded Sport Management Scholarships, Seoul National University, South Korea
40. Fully Funded ADB JSP Scholarships, Asian Institute of Technology, Thailand
41. Undergraduate Maths Scholarships for International Students, University of Edinburgh, UK
42. Fully Funded Scholarships in Singapore
43. Tuition + Living Allowance Scholarships, University of Waikato, New Zealand
44. Fully Funded Scholarships, Okinawa Institute of Science and Technology, Japan

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1. Beasiswa Penerbit Erlangga - Universitas Bengkulu
2. Beasiswa Putra-Putri Transmigran Berprestasi - Universitas Gadjah Mada
3. VLIR-ICP Master Scholarships, KU Leuven, Belgium
4. Beasiswa UGM - Universitas Gadjah Mada
5. Women and Diversity Undergraduate Scholarship - PT. Thiess Contractors Indonesia
6. Art Major Asian plus Scholarship, Korea National University of Arts
7. Nailekhanim Foundation Scholarship, Khazar University, Azerbaijan
8. Fulbright Foreign Language Teaching Assistant (FLTA), American Indonesian Exchange Foundation, USA
9. Eira Francis Davies Scholarship, Swansea University, UK
10. Beasiswa Mahasiswa - Pemerintah Kota Pekanbaru
11. Beasiswa Master 2, Prancis
12. Beasiswa Tematik, Prancis
13. Beasiswa Kartini Sains, Prancis
14. Beasiswa France Excellence S2, Prancis
15. Beasiswa France Excellence D3 / S1, Prancis
16. University of Waikato Doctoral Scholarship, New Zealand
17. Asian Development Bank - Japan Scholarship Program (ADB-JSP), Asian Institute of Technology, Thailand
18. University of Twente Scholarship (UTS), Netherlands
19. Australian Government Research Training Program (RTP) Scholarship, Bond University, Australia
20. Australia Awards Scholarships
21. Faculty of Medicine Dean Master Scholarships, Imperial College London, UK
22. International Graduate Scholarships, Korea Advanced Institute of Science and Technology (KAIST)
23. Asian Future Leaders Scholarship Program, Kyoto University, Japan
24. Beasiswa Bantuan Penelitian - Bank Indonesia Institute
25. Beasiswa Mahasiswa Berprestasi Non Akademik - Provinsi Kalimantan Barat
26. Future Leader Scholarship, LASALLE College of the Arts, Singapore
27. Beasiswa Talenta Atlet, Seni dan Sains - Universitas Muhammadiyah Yogyakarta (UMY)
28. Beasiswa Kader Unggulan Muhammadiyah (KAUM) - Universitas Muhammadiyah Yogyakarta (UMY)
29. Beasiswa Dokter dan Dokter Gigi Muhammadiyah - Universitas Muhammadiyah Yogyakarta (UMY)
30. Talent Scholarship - Qatar University
31. PhD Scholarships in Economics, CERGE-EI, Czech Republic
32. Fulbright Distinguished Awards in Teaching Program for International Teachers (Fulbright DAI), USA
33. Beasiswa Jalur Prestasi, D3 Teknologi Pengolahan Kelapa Sawit, Institut Teknologi dan Sains Bandung
34. Beasiswa SMART Mills - PT Sinar Mas Agro Resources and Technology Tbk

35. Beasiswa SMART Agro - PT Sinar Mas Agro Resources and Technology Tbk
36. Vice Chancellor’s International Excellence Scholarship, University of Waikato, New Zealand
37. Boustany Astronomy Scholarship, University of Cambridge, UK
38. Boustany Cambridge Pembroke Scholarship in Philosophy, University of Cambridge, UK
39. Vice-Chancellor’s International Scholarships Scheme, University of Sydney, Australia
40. Edinburgh Global Undergraduate Mathematics Scholarships, University of Edinburgh, UK
41. PhD Scholarhips, Singapore International Graduate Award (SINGA)
42. PhD Scholarships, United Arab Emirates University, UAE
43. International Postgraduate Research Award (IPRA), University of New England, Australia
44. ASEAN Scholarships for Indonesia by Ministry of Education, Singapore
45. Master and PhD Scholarships, King Fahd University of Petroleum and Minerals, Saudi Arabia
46. Fully Funded PhD Scholarships, Okinawa Institute of Science and Technology Graduate University, Japan
47. Dr Goh Keng Swee (GKS) Scholarship for Undergraduate Students, Singapore
48. Graduate Scholarships, Mohamed bin Zayed University of Artificial Intelligence, UAE
49. Master & PhD Scholarships, Honjo International Scholarship Foundation, Japan
50. ASEAN Graduate Scholarship, Nanyang Technological University, Singapore
51. Bond University Postgraduate Research Scholarship (BUPRS), Australia

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Last updated: 14 December 2010