

第 8 届微纳尺度材料性能国际研讨会


(第二轮会议通知)

(会议网址: <http://workshop.camnano.org/>)

第 8 届微纳尺度材料性能国际研讨会将于 2015 年 6 月 1 至 3 日在西安交通大学南洋大酒店国际会议厅举行。会议日程详细如下:


6 月 1 日 (周一)

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| 8:30 - 9:00 | 开幕致辞及合影 | |
| 9:00 - 9:40 | Robert Ritchie | Conflicts of strength and toughness: concepts of intrinsic vs. extrinsic toughening applied to biomaterials and advanced multi-element metallic alloys |
| 9:40 - 10:15 | Zhefeng Zhang | Plastic deformation behaviors of copper bi-crystals with grain boundaries and twin boundaries at millimeter or micrometer scale |
| 10:15 - 10:45 | Ying Chen | Nanoindentation studies of dual-phase shape memory alloys |
| 10:45 - 11:10 |  休息 | |
| 11:10 - 11:45 | Evan Ma | Nanodomains in nickel enable simultaneous high strength and ductility |
| 11:45 - 12:15 | Michael Demkowicz | Brittle intergranular fracture frustrated by intermittent dislocation emission |
| 12:15 |  午餐 (南洋) | |
| 14:00 - 14:35 | Scott X. Mao | In-situ HRTEM on deformation of BCC crystals |
| 14:35 - 15:05 | Takahito Ohmura | Nano-mechanical testing and characterization of dislocation motion in BCC metals |
| 15:05 - 15:25 | Qiaoyan Sun | Size dependence of mechanical behaviors in compression of submicron pure titanium pillars |
| 15:25 - 15:45 | Boyu Liu | Non-dislocation based plastic deformation mechanism in magnesium at room temperature |
| 15:45 - 16:15 |  休息 | |
| 16:15 - 16:50 | John Bell | Tensile mechanical properties of layered sodium titanate nanowire |

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| 16:50 - 17:20 | Oden Warren | New areas of research for nanomechanical test instruments |
| 17:20 - 17:40 | Xiaoguang Wang | Sample growth conditions control the elastic and mechano-electrical properties of ZnO nanowires |
| 18:00 |  晚宴 (南洋) | |

6月2日 (周二)

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|---------------|---|--|
| 8:30 - 9:05 | Julia R. Greer | Materials by design: 3-dimensional architected nanostructured meta-materials |
| 9:05 - 9:35 | Guanghong Lu | Hydrogen and helium behaviors in metals: new insights from modeling & simulation |
| 9:35 - 9:55 | Weizhong Han | Mechanical response of He implanted single crystal copper: brittle or ductile? |
| 9:55 - 10:30 |  休息 | |
| 10:30 - 11:00 | Xiaofeng Zhang | In situ environmental TEM: some technical challenges and suggestions |
| 11:00 - 11:30 | Yong Wang | Recent progress of environmental transmission electron microscopy at our group |
| 11:30 - 11:50 | Degang Xie | Hydrogen embrittlement in aluminum investigated by in situ bending in environmental TEM |
| 12:00 |  午餐 (南洋) | |
| 14:00 - 14:35 | Ju Li | Study of battery processes with in situ TEM |
| 14:35 - 15:05 | Yizhong Huang | Growth and characterization of ordered Si-based hybrid nanostructured arrays in TEM |
| 15:05 - 15:35 | Mitsuru Konno | Development for transmission electron microscope equipped with an atomic resolution imaging and high sensitivity analytical performance. |
| 15:35 - 16:00 |  休息 | |
| 16:00 - 16:30 | Judith C. Yang | Structural complexity and dynamics of supported metal nanoparticles |
| 16:30 - 17:00 | Kaili Jiang | ETEM, low-voltage SEM, and optical imaging of carbon nanotubes |

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| 17:00 - 17:30 | Guangwen Zhou | In situ microscopy and spectroscopy study of the early-stage oxidation of metals and alloys |
| 18:00 |  晚餐 (南洋) | |
| 19:00 - 21:00 | Poster 评比 | |

6月3日 (周三)

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|---------------|---|--|
| 8:30 - 9:05 | Jianfeng Nie | Annealing strengthening in magnesium wrought alloys |
| 9:05 - 9:35 | Shigenobu Ogata | Modeling of deformation of HCP titanium and magnesium |
| 9:35 - 10:05 | Renlong Xin | Strain compatibility effect on the variant selection of extension twins in magnesium |
| 10:05 - 10:25 | Liang Wan | Stress induced GB migration studied by atomistic modeling and bi-crystallographic analysis |
| 10:25 - 10:50 |  休息 | |
| 10:50 - 11:20 | Riccardo Mazzarello | Edge magnetism in graphene nanoribbons on metal and topological insulator substrates |
| 11:20 - 11:50 | Yue Wu | Liquid-liquid transitions observed by NMR |
| 11:50 - 12:20 | Xiaoyan Zhong | Quantitative experimental determination of site-specific magnetic structures and properties by transmitted electrons |
| 12:30 |  午餐 (南洋) | |
| 14:30 | 金属材料强度国家重点实验室微纳中心实验室参观 | |

报名和注册

参会者需通过会议网站 (<http://workshop.campano.org/>) 进行注册报名。

5月20日前通过网站报名者, 会议注册费标准为:

- ◇ 学生 800 元/每人, 其他会议代表为 1200 元/每人。

未通过网站注册参会, 注册费标准为:

- ◇ 学生 1000 元/每人, 其他会议代表为 1500 元/每人。

会议注册费包含参会期间的餐费和茶歇, 不包含住宿和交通费 (住宿不统一安排)。缴纳注册费包括银行汇款 (后附账户信息) 和现场现金注册两种方式。

现场注册时间为 5 月 31 日下午 2:30 至 6:30 在南洋大酒店大厅。

会务联系

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材料科学与工程学院微纳尺度材料行为研究中心

二零一五年四月十六日

附：费用缴纳账户信息

1) 人民币银行账户信息

开户行 中国工商银行股份有限公司西安互助路支行

户名 西安交通大学

帐号 3700023509088100314

注：特别提示：承办方无独立账户，财务委托西安交通大学代管，汇款附言请加：“2015 微纳会议”。银行汇款手续办理后，请发送汇款信息包括单位、姓名、金额及手机号码至会务联系电子邮箱 campnano@gmail.com 或 campnano@mail.xjtu.edu.cn 告知承办方会务组，以便及时查询到款。