

2023 IBMD Research Week

Institute for Biomedical Materials and Devices (IBMD)

2nd - 10th June 2023, Sydney, Australia



Conference Plenary Speakers:



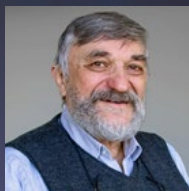
Hongjie Dai
Stanford Univ.



Liejin Guo
XJTU



Meifang Zhu
DHU



Boris Martinac
VCCRI



David Parker
Durham Univ.



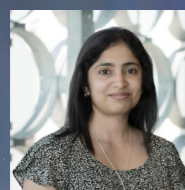
Lei Jiang
CAS



Jennifer Stow
UQ



Baohua Jia
RMIT



Madhu Bhaskaran
RMIT



Paul Robinson
Purdue Univ.



Ann Roberts
UOM



Justin Chalker
Flinders Univ.



Juyoung Yoon
EWAH



Julie Biteen
Univ. Michigan



Heike Heidepriem
Univ. Adelaide



Shuhong Yu
USTC



Luis Dias Carlos
Univ. Aveiro



Benjamin Eggleton
USYD



2023 IBMD Research Week

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Conference Keynote Speakers:



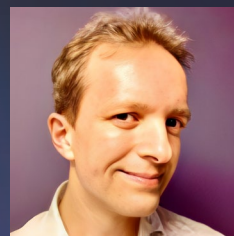
Anderson Shum
HKU



Ilya Shadrivov
ANU



Haoyu Li
HIT



Pep Pamies
Editor, NBE



Lingdong Sun
PKU



Min Qiu
Westlake Univ.



Lan Fu
ANU



Antonio Tricoli
USYD



Elizabeth Hinde
UOM



Xiaogang Liu
NUS



Guangming Tao
HUST



Renren Deng
ZJU



Yung Doug Suh
UNIST



Glenn Solomon
Univ. Adelaide



Chunhui Wang
UNSW



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Conference Keynote Speakers:



Lianne Spengelink
UOW



Markus Mueller
USYD



Changlin Tian
USTC



James Hutchison
UOM



Liam Hall
CSRIO



Shuguang Yang
DHU



Danna Whelan
La Trobe Univ.



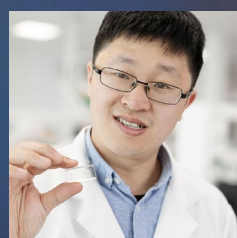
Quan Yuan
HNU



David Simpson
UOM



Kang Liang
UNSW



Arnold Lining Ju
USYD



Yuling Wang
MQ



Seiichi Uchiyama
Univ. Tokyo



Xiangyang Shi
DHU



Yuhai Zhang
UJN



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2nd June: Computational Imaging Conference

| Time | Presenter |
|--|--|
| 9:00 - 9:10 | Welcome Speech |
| 9:10 - 9:45 | Ann Roberts (University of Melbourne) |
| 9:45 - 10:20 | Andrew Kingston (Australian National University) |
| 10:20 - 10:35 | <i>Morning Tea – Networking</i> |
| 10:35 - 11:10 | Xin Yuan (Westlake University) |
| 11:10 - 11:45 | Robert Mclaughlin (University of Adelaide) |
| Session 1: Functional enhancement technologies of computational imaging (Host: Chunguang Hu , Tianjin University) | |
| 13:00 - 13:20 | Zixin Huang (Macquarie University) |
| 13:20 - 13:40 | Liangcai Cao (Tsinghua University) |
| 13:40 - 14:00 | Gang Chen (Chongqing University) |
| 14:00 - 14:20 | Ryoichi Horisaki (The University of Tokyo) |
| 14:20 - 14:40 | Xueli Chen, Nan Wang (Xidian University) |
| 14:40 - 15:00 | Oral presentation (Zhanquan Tian, Shuqi Mu) |
| 15:00 - 15:10 | <i>Afternoon Tea – Networking</i> |
| Session 2: Computational microscopic imaging (Host: Chen Gang , Chongqing University) | |
| 15:10 - 15:40 | Chao Zuo (Nanjing University of Science and Technology) |
| 15:40 - 16:00 | Changliang Guo (Peking University) |
| 16:00 - 16:20 | Chunguang Hu (Tianjin University) |
| 16:20 - 16:40 | Jiaming Wu (Tsinghua University) |
| 16:40 - 17:00 | Fan Wang (Beihang University) |
| 17:00 - 17:20 | Zehao He (Tsinghua University) |
| 17:20 - 17:40 | Oral presentation (Weisong Zhao, Haoyu Li) |



Venue: **Room 005, Level 2, Building 8:** Dr Chau Chak Wing Building, UTS (14 Ultimo Road, Ultimo)



3rd June: Computational Imaging Conference

| Time | Presenter |
|--|---|
| Session 3: Computational three-dimensional imaging and measurements (Host: Tong Ling, Nanyang Technological University) | |
| 8:30 - 9:00 | Takanori Nomura (Wakayama University) |
| 9:00 - 9:20 | Shijie Feng (Nanjing University of Science and Technology) |
| 9:20 - 9:40 | Zhoujie Wu (Sichuan University) |
| 9:40 - 10:00 | Junfei Shen (Sichuan University) |
| 10:00 - 10:20 | Shuang Liu (Shanghai Institute of Optics and Fine Mechanics) |
| 10:20 - 10:40 | Oral presentation (Jiaji Li, Yan Hu) |
| 10:40 - 11:20 | <i>Morning Tea – Poster Networking</i> |
| Session 4: Key technologies of computational biomedical imaging (Host: Shijie Feng, Nanjing University of Science and Technology) | |
| 11:20 - 11:40 | Tong Ling (Nanjing University of Science and Technology) |
| 11:40 - 12:00 | Oral (Shiqi Feng, Zhongquan Wen) |
| Session 5: Related issues of computational scattering imaging (Host: Qin Zong, Sun Yat-Sen University) | |
| 13:00 - 13:30 | Hiromasa Oku (Gunma University) |
| 13:30 - 13:50 | Ke Si (Zhejiang University) |
| 13:50 - 14:10 | Zhongtao Cheng (Sichuan University) |
| 14:10 - 14:20 | Oral presentation (Xin Yu) |
| Session 6: Computational display technology (Host: Zhongtao Cheng, Sichuan University) | |
| 14:20 - 14:40 | Zong Qin (Sun Yat-Sen University) |
| 14:40 - 15:00 | Scott Tyo (Monash University) |
| 15:00 - 15:20 | Oral presentation (Jian Zhang, Yue Wang) |
| 15:20 - 15:30 | <i>Afternoon Tea – Networking</i> |
| Session 7: Expert Panel discussion on “Scientific Paper Writing” (15:30 - 17:30, Room 005, Level 2, Building 8) | |



2023 IBMD Research Week

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3rd June: Smart Molecules Symposium-1

| Time | Presenter |
|---|---|
| 9:00 – 9:10 | Welcome Speech |
| Session 1: Smart molecules and materials | |
| 9:10 – 9:45 | Plenary: Justin Chalker (Flinders University) |
| 9:45 – 10:15 | Keynote: Kang Liang (University of New South Wales) |
| 10:15 – 10:45 | Keynote: Yuling Wang (Macquarie University) |
| 10:45 – 11:00 | Morning Tea |
| 11:00 – 11:20 | Invited: Sanyang Han (Tsinghua Shenzhen International Graduate School) |
| 11:20 – 11:40 | Invited: Jiangong Ma (Nankai University) |
| 11:40 – 12:00 | Invited: Jingchao Li (Donghua University) |
| 12:00 – 13:30 | Lunch |
| Session 2: Functional biomedical materials and devices | |
| 13:30 – 14:05 | Plenary: Plenary: Juyoung Yoon (EWHA) |
| 14:05 – 14:35 | Keynote: Yung Doug Suh (Ulsan National Institute of Science & Technology) |
| 14:35 – 14:55 | Invited: Jie Tan (Hunan University) |
| 15:00 – 15:30 | Afternoon Tea |
| 15:30 – 16:00 | Keynote: Pep Pàmies (Nat. Biomed. Eng.) |
| Session 3: Expert Panel discussion on “Scientific Paper Writing” | |
| 16:00 – 17:30 | (Panel: Pep Pàmies (Nat. Biomed. Eng.); Juyoung Yoon (EWHA), and XX. Chair: Irina Kabakova (UTS) |



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3rd June: Smart Molecules Symposium-2

| Time | Presenter |
|--|--|
| 9:00 – 9:10 | Welcome Speech |
| Session 1: Smart molecules and materials | |
| 9:10 – 9:45 | Plenary: Shuhong Yu (University of Science & Technology of China) |
| 9:45 – 10:15 | Keynote: Lingdong Sun (Peking University) |
| 10:15 – 10:45 | Keynote: Markus Muellner (The University of Sydney) |
| 10:45 – 11:00 | Morning Tea |
| 11:00 – 11:20 | Invited: Deming Liu (Chinese Academy of Sciences) |
| 11:20 – 11:40 | Invited: Weidong Xu (Northwestern Polytechnical University) |
| 11:40 – 12:00 | Invited: Yuyang Gu (National University of Singapore) |
| 12:00 – 13:30 | Lunch |
| Session 2: Functional biomedical materials and devices | |
| 13:30 – 14:00 | Keynote: Xiangyang Shi (Donghua University) |
| 14:00 – 14:30 | Keynote: Quan Yuan (Hunan University) |
| 14:30 – 15:00 | Keynote: Juntao Gao (Tsinghua University) |
| 15:00 – 15:30 | Afternoon Tea |
| 15:30 – 16:00 | Keynote: Pep Pàmies (Nat. Biomed. Eng.) (Room 005) |
| Session 3: Expert Panel discussion on “scientific paper writing” (Room 005) | |
| 16:00 – 17:30 | (Panel: Pep Pàmies (Nat. Biomed. Eng.); Juyoung Yoon (EWHA), and XX . Chair: Irina Kabakova (UTS)) |



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4th June: Hunter Valley Wine Tours



Individual Ticket Cost: A\$205

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5th June: Symposium for Light: Science & Applications

| Time | Presenter |
|---------------|---|
| 9:00 – 9:05 | Welcome by James Wallman , Dean, FoS, UTS |
| 9:05 – 9:40 | Plenary: Hongjie Dai (Stanford University) |
| 9:40 - 10:15 | Plenary: David Parker (Hong Kong Baptist University) |
| 10:15 – 10:35 | Morning Tea |
| 10:35 – 11:10 | Plenary: Baohua Jia (RMIT University) |
| 11:10 – 11:35 | Keynote: James Hutchison (University of Melbourne) |
| 11:35 – 12:00 | Keynote: Arnold Lining Ju (University of Sydney) |
| 12:00 – 13:30 | Lunch |
| 13:30 – 14:05 | Plenary: Heike Ebendorff-Heidepriem (University of Adelaide) |
| 14:05 – 14:30 | Keynote: Ilya Shadrivov (Australian National University) |
| 14:30 – 14:55 | Keynote: Lan Fu (Australian National University) |
| 14:55 – 15:20 | Keynote: Renren Deng (Zhejiang University) |
| 15:20 - 15:40 | Afternoon Tea |
| 15:40 - 16:05 | Keynote: Glenn Solomon (University of Adelaide) |
| 16:05 – 16:30 | Keynote: Min Qiu (Westlake University) |
| 16:30 – 16:55 | Keynote: Yuhai Zhang (University of Jinan) |
| 16:55 – 17:30 | Plenary: Benjamin J. Eggleton (University of Sydney) |
| 17:30 | Closing Remark |

Venue: **The Green Theatre** (Room 025), Level 2, Building 7: Vicki Sara Building, UTS (67 Thomas Street, Broadway)



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5th June: Dinner at Sydney Tower



13:30 – 14:05



Individual Ticket Cost: A\$100

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6th June: Summit for Wearable Sensors & Devices

| Time | Presenter |
|---|---|
| 9:00 – 9:10 | Welcome Speech |
| Session 1: Flexible Sensors and Devices (Chair: Anderson Shum) | |
| 9:15 – 9:50 | Plenary: Madhu Bhaskaran (RMIT University) |
| 9:50 – 10:15 | Keynote: Guangming Tao (Huazhong University of Science & Technology) |
| 10:15 – 10:35 | Morning Tea |
| 10:35 – 11:00 | Keynote: David Tsai (University of New South Wales) |
| 11:00 – 11:25 | Keynote: Xiaogang Liu (National University of Singapore) |
| 11:25 – 11:50 | Keynote: Antonio Tricoli (University of Sydney) |
| 11:50 – 12:25 | Plenary: Meifang Zhu (Donghua University) |
| 12:25 – 13:30 | Lunch Break |
| Session 2: Emerging Wearable Technologies (Chair: David Tsai) | |
| 13:30 – 13:55 | Keynote: Chunhui Wang (University of New South Wales) |
| 13:55 – 14:20 | Keynote: Anderson Shum (University of Hong Kong) |
| 14:20 – 14:45 | Keynote: Mohit Shivdasani (University of New South Wales) |
| 14:45 – 15:10 | Keynote: Shuguang Yang (Donghua University) |
| 15:10 – 15:30 | Afternoon Tea |
| Session 3: Expert Panel Discussion | |
| 15:30 – 16:30 | Wearable Sensors: A roadmap to translation |

Venue: **The Green Theatre** (Room 025), Level 2, Building 7: Vicki Sara Building, UTS (67 Thomas Street, Broadway)



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7th June: Vivid Sydney Tours

Following Afternoon Poster Presentation Session



Dinner Event: Vivid Sydney Cruise

Individual Ticket Cost: A\$160

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8th June: Symposium for Super-Resolution Imaging and Quantum Biotechnology (Chair: Leo Zhang)

| Time | Presenter |
|---------------|---|
| 9:00 – 9:10 | Welcome Speech |
| 9:10 – 9:40 | Plenary: Paul Robinson (Purdue University) |
| 9:40 - 10:10 | Plenary: Julie Biteen (University of Michigan) |
| 10:10 – 10:30 | Morning Tea |
| 10:30 - 11:00 | Plenary: Lei Jiang (Chinese Academy of Science) |
| 11:00 – 11:30 | Plenary: Liejin Guo (Xi'an Jiaotong University) |
| 11:30– 12:00 | Plenary: Luis Dias Carlos (University of Aveiro) |
| 12:00– 13:00 | Lunch |
| 13:00 - 13:30 | Plenary: Boris Martinac (Victor Chang Cardiac Research Institute, University of New South Wales) |
| 13:30 – 14:00 | Plenary: Jennifer Stow (University of Queensland) |
| 14:00 – 14:20 | Keynote: Changlin Tian (University of Science & Technology of China) |
| 14:20 – 14:40 | Keynote: Seiichi Uchiyama (University of Tokyo) |
| 14:40 – 15:00 | Keynote: David Simpson (University of Melbourne) |
| 15:00 – 15:20 | Keynote: Elizabeth Hinde (University of Melbourne) |
| 15:20 – 15:40 | Afternoon Tea |
| 15:40 – 16:00 | Keynote: Liam Hall (University of Melbourne) |
| 16:00 – 16:20 | Keynote: Lianne Spengelink (University of Wollongong) |
| 16:20 – 16:40 | Keynote: Donna Whelan (La Trobe University) |
| 16:40 – 17:00 | Keynote: Haoyu Li (Harbin Institute of Technology) |
| 17:00 – 17:20 | Invited: Abasalt Bahrami (University of California, Los Angeles) |

Venue: **The Green Theatre** (Room 025), Level 2, Building 7: Vicki Sara Building, UTS (67 Thomas Street, Broadway)



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9th June: Emerging Leaders in Biomedical Materials and Devices

| Time | Presenter |
|--|--|
| 9:00-9:10 | Welcome by Steven Langford , Head of School, MaPS, FoS, UTS |
| Session 1: Mid-Career Researchers (Chair: A/Prof. Lana McClements, University of Technology Sydney) | |
| 9:10-9:30 | A/Prof. Sophia Gu (UNSW Sydney) |
| 9:30-9:50 | Dr Run Zhang (The University of Queensland) |
| 9:50-10:10 | Dr Ming Li (Macquarie University) |
| 10:10-10:30 | A/Prof. Jelena Kovacina (UNSW Sydney) |
| 10:30-10:50 | Morning Tea |
| 10:50-11:10 | Dr Andrew Care (University of Technology Sydney) |
| 11:10-11:30 | A/Prof. Khoon Lim (The University of Sydney) |
| 11:30-11:50 | Dr Dorna Esrafilzadeh (UNSW Sydney) |
| 11:50-12:10 | Industry talk |
| 12:10-13:00 | Lunch Break |
| Session 2: Early Career Researchers (Chair: Dr Ying Zhu, University of Technology Sydney) | |
| 13:00-13:20 | Dr Arutha Kulasinghe (The University of Queensland) |
| 13:20-13:40 | Dr Alain Wuethrich (The University of Queensland) |
| 13:40-14:00 | Dr Ann Na Cho (Macquarie University) |
| 14:00-14:20 | Dr Ji Lu (The University of Queensland) |
| 14:20-14:40 | Dr Jiawen Li (University of Adelaide) |
| 14:40-15:00 | Dr Shihui Wen (University of Technology Sydney) |
| 15:00-15:30 | Afternoon Tea |
| 15:30-16:10 | Session 3: PhD Student Lightning Talks |
| Session 4: Panel Discussion: Careers in Academia (MC: Pep Pàmies, Chief Editor, Nature Biomedical Engineering) | |
| 16:10-17:00 | Prof. Hongjie Dai (Stanford University) |
| | Prof. David Parker (Hong Kong Baptist University) |
| | Asst. Prof. Seiichi Uchiyama (The University of Tokyo) |
| | Prof. Julie Biteen (University of Michigan) |
| | Dist. Prof. Juyoung Yoon (Ewha Womans University) |
| A/Prof. Elizabeth Hinde (University of Melbourne) | |

Venue: **The Green Theatre** (Room 025), Level 2, Building 7: Vicki Sara Building, UTS (67 Thomas Street, Broadway)



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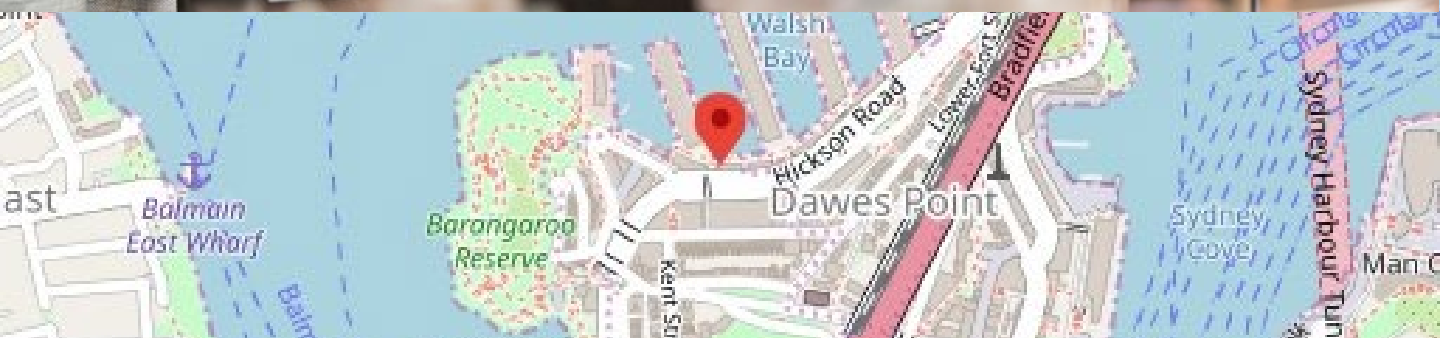
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9th June: Farewell Dinner at the Rocks

Ventuno

Private Dining



Individual Ticket Cost: A\$125

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