

16th UK Heat Transfer Conference (UKHTC2019) Programme

Monday 9 September 2019 (Morning sessions)				
08.00-09.00	Registration			
09.00-09.40	<p style="text-align: center;"><i>Venue: Conference Theatre</i></p> <p style="text-align: center;">Opening by Professor Yuying Yan, Chair of UKHTC2019</p> <p style="text-align: center;">Welcome by Professor Andy Long, Provost & Deputy Vice-Chancellor of University of Nottingham</p> <p style="text-align: center;">Welcome by Professor Tassos Karayiannis, Chair of UK National Heat Transfer Committee</p> <p style="text-align: center;">Eulogy for Professor Geoffrey Hewitt (by Professor Joe Quarini)</p>			
09.40-10.15	<p style="text-align: center;"><i>Venue: Conference Theatre</i></p> <p style="text-align: center;">Keynote session 1, Chair by Professor Yuying Yan</p> <p style="text-align: center;">Speaker 1: Professor Omar Matar, Imperial College London Multiscale Modelling of Boiling Flows</p>			
10.15-10.50	<p style="text-align: center;">Speaker 2: Dr Cedric Rouaud, Ricardo Plc XEV Thermal Management – Heat Transfer Improvement Requirements</p>			
10.50-11.10	Refreshment Break			
Oral Parallel Sessions & Venue	Conference Theatre	Conference Suite 1	Conference Suite 3	Conference Suite 4
11.10-12.40	<p>Session 1- Boiling heat transfer</p> <p>Co-chairs: Prof Josua Meyer Dr Jonathan McDonough</p> <p>Invited speaker: Prof Jinliang Xu</p> <p>Paper ID: 192, 187, 152, 134, 142, 168</p>	<p>Session 2- Renewable energy</p> <p>Co-chairs: Prof David Reay Dr Francesco Coletti</p> <p>Paper ID: 225, 190, 182, 188, 195, 213</p>	<p>Session 3-Thermal management</p> <p>Co-chairs: Prof Alasdair Cairns Dr Jie Zhu</p> <p>Paper ID: 243, 004, 014, 098, 251</p>	<p>Session 4- Convection</p> <p>Co-chairs: Prof Qiuwang Wang Dr Robert Camilleri</p> <p>Paper ID: 018, 032, 039, 042, 054, 067</p>
12.40-13.30	Lunch			

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Monday 9 September 2019 (Afternoon Sessions)				
13.30-14.05	<i>Venue: Conference Theatre</i> Keynote session 2: Chair by Professor Khellil Sefiane Speaker 3: Professor Josua Meyer, University of Pretoria A New Perspective on Internal Forced and Mixed Convection Heat Transfer			
14.05-14.40	Speaker 4: Professor Peixue Jiang, Tsinghua University Phenomenon and Mechanism of Spray Cooling and Supercritical-Pressure Fluid Impingement Cooling on Micro/Nano Hybrid Structures			
Oral Parallel Sessions & Venue	Conference Theatre	Conference Suite 1	Conference Suite 3	Conference Suite 4
14.40-15.55	Session 5-Energy conversion and storage Co-chairs: Prof Takahiko Miyazaki Dr Akshoy Ranjan Paul Invited speaker: Prof David Reay Paper ID: 267, 254, 036, 096, 105, 112	Session 6-Computational heat transfer Co-chairs: Prof Tomohiko Yamaguchi Prof Qun Chen Paper ID: 006, 023, 047, 065, 072, 009	Session 7-Heat exchanger Co-chairs: Prof Christos Markides Prof Zhonghao Rao Paper ID: 157, 091, 174, 025, 051, 052	Session 8-Heat Pipe Co-chairs: Dr Francesco Coletti Dr Bo Li Paper ID: 135, 224, 077, 087, 216, 045
15.55-16.15	Refreshment Break			
16.15-17.40	Session 9-Boiling heat transfer Co-chairs: Prof Peter Kew Prof Mingjia Li Invited speaker: Prof Christos Markides Paper ID: 175, 240, 227, 258, 255	Session 10-Micro/Nano heat transfer Co-chairs: Prof Masamichi Kohno Dr Rong Fu Paper ID: 212, 016, 057, 075, 095, 162, 114	Session 11-Enhanced heat transfer Co-chairs: Prof Zhibin Yu Dr Srinivas Vanapalli Paper ID: 053, 041, 013, 104, 120, 210, 214	Session 12-Fluid flow and heat transfer Co-chairs: Prof Firoz Alam Prof Liang Guo Paper ID: 060, 119, 181, 137, 179, 144, 146, 147
18.30-22:00	Conference Evening Dinner – EMCC Banqueting Suite			

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	<p><i>Venue: Conference Theatre</i></p> <p>Keynote session 3: Chair by Professor Tassos Karayiannis</p> <p>Speaker 5: Dr Jonathan McDonough, Newcastle University A Perspective on the Current and Future Roles of Additive Manufacturing in Process Engineering with an Emphasis on Heat Transfer</p> <p>Speaker 6: Dr Ryan McGlen, Aavid Thermacore Europe Ltd. Additive Manufactured Heat Pipe Technology</p>			
09.00-09.35				
09.35-10.10				
Oral Parallel Sessions & Venue	Conference Theatre	Conference Suite 1	Conference Suite 3	Conference Suite 4
10.20-11.10	<p>Session 13-Thermal management</p> <p>Chair: Dr Yasser Mahmoudi Larimi Dr Xuehui Wang</p> <p>Paper ID: 102, 027, 035, 037</p>	<p>Session 14-Heat exchanger</p> <p>Chair: Dr Peter Kew Dr Mansour Qubeissi</p> <p>Paper ID: 246, 215, 226, 080, 110</p>	<p>Session 15-Enhanced heat transfer</p> <p>Chair: Prof Ruina Xu Dr Ryan McGlen</p> <p>Paper ID: 223, 252, 244, 250</p>	<p>Session 16-Computational heat transfer:</p> <p>Chair: Prof Rong Chen Dr Donald Giddings</p> <p>Paper ID: 220, 235, 059, 151</p>
11.10-11.30	Refreshment Break			
11.30-12.20	<p>Session 17-Convection</p> <p>Chair: Dr Donald Giddings Dr Jiaju Hong</p> <p>Paper ID: 083, 125, 196, 097</p>	<p>Session 18-Computational heat transfer</p> <p>Chair: Prof Stephen Wilson Dr Chuang Wen</p> <p>Paper ID: 073, 113, 121, 129</p>	<p>Session 19-Evaporation and Condensation</p> <p>Chair: Prof. Huasheng Wang Prof Marco Lorenzini</p> <p>Paper ID: 070, 089, 136, 010, 003</p>	<p>Session 20-Renewable energy</p> <p>Chair: Prof Michele Bottarelli Prof Wei Guo</p> <p>Paper ID: 221, 229, 145, 230, 005</p>
12.20-13.20	Lunch			

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Oral Parallel Sessions & Venue	Conference Theatre	Conference Suite 1	Conference Suite 3	Conference Suite 4
13.20-14.50	<p>Session 21- Evaporation and Condensation</p> <p>Co-chairs: Prof Hongtao Gao Dr Mark Worall</p> <p>Paper ID: 007, 034, 058, 061, 081, 084, 055</p>	<p>Session 22- Computational heat transfer</p> <p>Co-chairs: Prof Yutaku Kita Dr Mirco Magnini</p> <p>Paper ID: 158, 166, 074, 197, 200, 217, 048</p>	<p>Session 23- Micro/Nano heat transfer</p> <p>Co-chairs: Prof Simone Mancin Dr Hongwei Wu</p> <p>Paper ID: 143, 149, 130, 100, 156, 207, 219</p>	<p>Session 24- Thermal management</p> <p>Co-chairs: Dr Antonino La Rocca Dr Xin Xiao</p> <p>Paper ID: 056, 062, 123, 148, 033, 090</p>
14.50-15.10	Refreshment Break			
15.10-16.40	<p>Session 25- Evaporation and Condensation</p> <p>Co-chairs: Dr Mark Jabbal Dr Lei Chai</p> <p>Paper ID: 076, 127, 111, 131, 204, 237, 107, 163</p>	<p>Session 24- Fluid flow and heat transfer</p> <p>Co-chairs: Dr Xuerui Mao Dr Daniel Orejon</p> <p>Paper ID: 068, 124, 201, 101, 236, 153, 265, 160</p>	<p>Session 27- Energy conversion and storage</p> <p>Co-chairs: Dr Edward Smith Prof Hongtao Gao</p> <p>Paper ID: 122, 169, 193, 198, 231, 234, 086, 262</p>	<p>Session 28- PCM</p> <p>Co-chairs: Dr Ahmed Rezk Dr Cong Qi</p> <p>Paper ID: 082, 165, 044, 222, 239, 030</p>
16.40-17.30	Farewell			

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Poster Presentations

Monday 09 September 2019	
09.00-18.00	Paper ID: 008, 017, 026, 040, 046, 019,164, 264 020, 173, 218, 259, 178, 126, 085, 079, 266, 028
Tuesday 10 September 2019	
09.00-17.00	Paper ID: 108, 247, 049, 066, 263, 069 249, 232, 242, 253, 099, 103, 167, 078

Instructions:

Oral Presentations:

- Presentations will be 12 minutes total (10 min presentation + 2 min questions/discussion)
- Please note that some of the rooms are very big, so all diagrams, graphs, figures and font sizes used in the presentations should be large enough to read from distance
- The equipment available on site for the presentations are:
 - Computer with Windows operating system and standard Microsoft Office
 - Projector and laser pointer
 - Microphones
- The presentations should be uploaded to the computer in the room where you will be presenting and ensure that all of your slides (and videos) are finalised beforehand.

Posters Presentations:

- Posters should be affixed in the morning (8.00-8.50) on the assigned day (9th or 10th September). Poster presentation will take place throughout the entire day, especially during the breaks. The poster should be taken down at the end of the day.
- The poster must be A0 portrait (vertical 841 × 1189 mm) using the conference template.