



## ORAL PRESENTATIONS

20<sup>th</sup> August 2026

Oral Session 13 (9:30 - 10:30)

Theme: Sex Specific Responses to Heat Stress

| No | Abstract ID | Presenter       | email                  | Affiliation                                                | Title Of Presentation                                                                                                                              |
|----|-------------|-----------------|------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | AB8         | Shoji Leach     | shoji.leach@kcl.ac.uk  | King's College London                                      | Impact of sex and menstrual cycle hormones on gastrointestinal permeability during exertional hyperthermia                                         |
| 2  | AB89        | Rekha Shanmugam | rekha@ehe.org.in       | Sri Ramachandra Institute of Higher Education and Research | Occupational Heat Stress, Sleep Quality, and Adverse Pregnancy Outcomes: Evidence from Working Pregnant Women: A cohort study in Tamil Nadu, India |
| 3  | AB93        | Nikitha D       | nikithad0511@gmail.com | Sri Ramachandra Institute of Higher Education and Research | Heat Stress, Muscle Injury, and Productivity loss: Examining Gender Differences among Outdoor Workers in Tamil Nadu, India                         |
| 4  | AB122       | Mariska Andrade | ma19ah@brocku.ca       | Brock University                                           | Determining the molecular difference between biological men and women following acute heat exposure                                                |

|   |       |                 |                          |                                                                                                                         |                                                                                                                                          |
|---|-------|-----------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 5 | AB199 | Nadja Bastiaens | nadjabastiaens@yahoo.de  | International Postgraduate School<br>Jozef Stefan, Ljubljana, Slovenia                                                  | Vascular adaptations to simulated<br>3-d heatwave exposure in healthy<br>female participants assessed by<br>ultrasound: HELIA study      |
| 6 | AB206 | Angela Heinrich | angela.mona.22@gmail.com | Jožef Stefan Institute, Jožef Stefan<br>International Postgraduate School,<br>Université de Caen Normandie,<br>SpaceMed | Cognitive Performance During<br>and Following Prolonged Heat<br>Stress in Female Workers                                                 |
| 7 | AB209 | Sang-Hyun Roh   | rohsh@snu.ac.kr          | Research Institute for Human<br>Ecology, Seoul National University,<br>Seoul, Korea                                     | Sex differences in onset time of<br>cutaneous thermal sensations and<br>heat flux: Impact of contact<br>temperatures at 42, 46, and 50°C |

**20<sup>th</sup> August 2026**

**Oral Session 14 (11:30 - 12:00)**

**Theme: Aging Population in Extreme Environment**

| No | Abstract ID | Presenter      | email                               | Affiliation                                                                                                                      | Title Of Presentation                                                                                          |
|----|-------------|----------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 1  | AB6         | Jericho Wee    | jericho_wee@u.nus.edu               | Heat Resilience and<br>Performance Centre, Yong Loo<br>Lin School of Medicine, National<br>University of Singapore,<br>Singapore | Heat Tips The Balance: Exertional Heat<br>Stress Impairs Postural Stability In Older<br>Adults                 |
| 2  | AB76        | Jesse Schwartz | jessecooper.schwartz@hdr.qut.edu.au | Queensland University Of<br>Technology                                                                                           | Representation Of Middle-Age And Older<br>Adults In Exercise Thermoregulation<br>Research: A Systematic Review |
| 3  | AB222       | Antony Stadnyk | antony.stadnyk@uts.edu.au           | School Of Sport, Exercise &<br>Rehabilitation, Faculty Of<br>Health, University Of<br>Technology Sydney, Australia               | Effects Of Extreme Heat Events In Older<br>Australians: A Scoping Review                                       |

**20<sup>th</sup> August 2026**

**Oral Session 15 (15:15 – 16:15)**

**Theme: Thermal Comfort and Perception**

| No                                                  | Abstract ID | Presenter                        | email                      | Affiliation                    | Title Of Presentation                                                                                                                   |
|-----------------------------------------------------|-------------|----------------------------------|----------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                   | AB47        | Mohammad Fakhulrezza Bin Suhaimi | mfrezza93@gmail.com        | Kookmin University             | Perceptual Quantification for Comfort-Based Radiant Heating Management in Vehicles                                                      |
| 2                                                   | AB69        | Mandy Peggen                     | mandy.peggen@radboudumc.nl | Radboudumc                     | Impact Of Neighborhood Greenness On Thermal Perception And Behavior During A Dutch Heatwave                                             |
| 3                                                   | AB166       | Gineesh Gopi                     | tggineesh@kookmin.ac.kr    | Kookmin University             | Towards Near-Infrared Image-Based Thermal Comfort Discrimination For Occupant-Centric Climate Control In Electric Vehicles              |
| 4                                                   | AB187       | Alexander Patrician              | amdpatrician@gmail.com     | University Of British Columbia | Harnessing Continuous Thermal Perception To Investigate Thermal Overshoot                                                               |
| 5                                                   | AB214       | Ni Sun, Xinyan Zheng             | zhengxinyan0513@163.com    | Shanghai University Of Sport   | Effects Of Mild Thermal Deviations On Cognitive Performance In Indoor Environments: The Role Of Thermal Comfort Physical Activity Level |
| <b>Theme: Skin Wettedness and Thermal Behaviour</b> |             |                                  |                            |                                |                                                                                                                                         |
| 6                                                   | AB115       | Ralph Gordon                     | R.J.F.H.Gordon@soton.ac.uk | University Of Southampton      | Skin Tolerance To Mechanical Shearing At The Heel: The Role Of Temperature, Moisture, And Interface Material Properties                 |

**20<sup>th</sup> August 2026**

**Oral Session 16 (16:15 – 17:00)**

**Theme: Humidity and Its Impact on Thermoregulation**

| <b>No</b> | <b>Abstract ID</b> | <b>Presenter</b> | <b>email</b>                 | <b>Affiliation</b>               | <b>Title Of Presentation</b>                                                                                                                                              |
|-----------|--------------------|------------------|------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1         | AB25               | Raagavi Mani     | raagavimani@u.nus.edu        | National University of Singapore | Affordable And Sustainable Solutions To Improve Sleep Among Outdoor Workers In Non-Air-Conditioned, Multi-Occupancy Dormitory In The Tropics                              |
| 2         | AB80               | Hui Cheng Choo   | huichengchoo@gmail.com       | High Performance Sport Institute | Thermoregulatory Responses To Exercise In Dry And Humid Heat In Tropically Habituated Males                                                                               |
| 3         | AB189              | Cynthia Ly       | c.ly@maastrichtuniversity.nl | Maastricht University            | Energy & Substrate Metabolism During 8-Hour Continuous Exposure To Varying Combinations Of Humidity, Air Quality And Indoor Temperature (Combined Results Of Two Studies) |

**20<sup>th</sup> August 2026**

**Oral Session 17 (17:15 - 18:15)**

**Theme: Clothing and Human-Environment Interaction**

| No | Abstract ID | Presenter      | email | Affiliation                             | Title Of Presentation                                                                                                                |
|----|-------------|----------------|-------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1  | AB16        | Grant Simmons  |       | Nike Sport Research Lab                 | 3D Printed TPU Sports Bra Eliminates The Thermal 'Bra Tax' For Female Athletes Exercising In The Heat                                |
| 2  | AB53        | Aislin Fields  |       | University of Southampton, UK           | Impact of age and long-term medical conditions on clothing choices for exercise in summer and winter – a mixed-methods investigation |
| 3  | AB188       | Nicola Gerrett |       | Gentherm Inc.                           | The Impact Of A Heated Effleurage Or Heated Tapotement Massage On Low Back Discomfort From A Seat                                    |
| 4  | AB210       | Kalev Kuklane  |       | Netherlands Institute For Public Safety | Heat Stress Development In Structural Firefighting Scenario And Predicted Heat Strain                                                |
| 5  | AB223       | Chuansi Gao    |       | Lund University                         | Heat And Maternal Health: An Early Warning System App<br>Motherheat Alert                                                            |