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<tbody>
<tr>
<td>7:30 AM - 8:00 AM</td>
<td>ISEE New and Prospective Members Coffee Hour</td>
<td>Early Morning Sessions</td>
<td>Early Morning Sessions</td>
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<tr>
<td>8:00 AM - 8:30 AM</td>
<td>Opening Ceremony</td>
<td>Keynote Lectures</td>
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<td>8:30 AM - 9:00 AM</td>
<td>Coffee Hour</td>
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<tr>
<td>9:00 AM - 9:30 AM</td>
<td>Early Morning Sessions</td>
<td>Symposia, Parallel Oral Sessions &amp; Poster Discussion Sessions</td>
<td>Symposia, Parallel Oral Sessions &amp; Poster Discussion Sessions</td>
<td>Symposia, Parallel Oral Sessions &amp; Poster Discussion Sessions</td>
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<tr>
<td>9:30 AM - 10:00 AM</td>
<td>ISEE Board Meeting (closed)</td>
<td>Lunch &amp; Chapter Meetings</td>
<td>Lunch &amp; Committees Fair</td>
<td>Lunch &amp; Lunch Meetings</td>
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<td>Pre-Conference Workshops</td>
<td>Symposia, Parallel Oral Sessions &amp; Poster Discussion Sessions</td>
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<td>10:30 AM - 11:00 AM</td>
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<td>Tea Break &amp; Thematic Poster Sessions</td>
<td>Tea Break &amp; Thematic Poster Sessions</td>
<td>Tea Break &amp; Thematic Poster Sessions</td>
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<tr>
<td>11:00 AM - 11:30 AM</td>
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<td>Parallel Oral Sessions &amp; Poster Discussion Sessions</td>
<td>Parallel Oral Sessions &amp; Poster Discussion Sessions</td>
<td>SNRN awards and Closing Ceremony</td>
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<td>11:30 AM - 12:00 PM</td>
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<td>Welcome Reception</td>
<td>General Membership Assembly</td>
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<td>12:00 PM - 12:30 PM</td>
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<td>SNRN Social event</td>
<td>Conference Dinner</td>
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WELCOME MESSAGE

Welcome from the Co-Chairs

It’s our great pleasure to welcome you to the 31st annual conference of the International Society for Environmental Epidemiology (ISEE 2019) in the historic city of Utrecht, The Netherlands. The meeting theme is “On Airs, Waters, Places” in recognition of what was probably the first surviving text on environmental health, written by Hippocrates of Kos some 400 years B.C.E. Convening in a city which was founded by the Romans about 2,000 years ago, we thought it would be a good idea to discuss the history and future of Environmental Epidemiology at our meeting.

ISEE 2019 gathers not only academic and government scientists from around the world, but also public health professionals, consultants, industry representatives, and representatives of major international stakeholders such as the World Health Organization, the European Union, the US Environmental Protection Agency and the US based Health Effects Institute to network and discuss issues related to the conference theme.

The scientific program includes about 1,500 oral presentations and posters representing the diverse issues, disciplines, and methods that comprise environmental epidemiological research today. In addition to oral and thematic poster sessions, there will be a revival of the poster discussion session format at ISEE 2019 and a demonstration of the playful Pechakucha format, as well as several pre-conference workshops and early morning sessions. Never heard about Pechakucha and curious about what a Pechakucha session looks like? Come to the session on Tuesday at 10.30!

The program also provides numerous possibilities for networking and dialogue. The Welcome Reception, Chapter meetings, Committees Fair, and General Membership Assembly are open to all attendees; the ISEE Student and New Researchers Network Social event is open to all SNRN attendees. If you are new to ISEE or thinking about joining and want to learn more about ISEE’s mission and how to get involved, please come to the ISEE New and Prospective Members coffee hour at 7:30 AM on Monday, August 26.

All program activities are detailed in the electronic App, developed as part of our efforts to reduce the environmental footprint of the conference. Other green initiatives include providing reusable water bottles to all attendees (tap water is safe to drink in The Netherlands), an emphasis on local and sustainable food in the conference menus, and the collection of carbon offset donations during online registration.
Finally, we would like to thank everybody who was involved in the planning of this meeting as a member of the International Program Committee or the Local Organizing committee, as an abstract reviewer or pre-conference workshop organizer, etc. We also thank the workshop instructors, volunteers, sponsors and exhibitors, our conference organizer Congress by Design, and the leadership of ISEE and acknowledge the support of the Institute for Risk Assessment Sciences (IRAS).

We are looking forward to seeing you in Utrecht and hope you have a great meeting!

Bert Brunekreef, Ulrike Gehring and Gerard Hoek,
ISEE 2019 Co-Chairs

SCIENTIFIC PROGRAM OVERVIEW

Plenary sessions
Location: Beatrix theater

Monday, August 26, 2019 – 8.30 AM - 10:00 AM
• Opening Ceremony
• Keynote by Majid Ezzati
  Cities as unequal opportunities for good health
• Keynote by Adetoun Mustapha
  Challenges and Prospects of Environmental Epidemiology in Africa

Tuesday, August 27, 2019 – 8:30 AM -10:00 AM
• Goldsmith Award Lecture by Annette Peters
• Keynote by Benoit Nemery
  Low-tech mining of materials critically needed for high-tech applications: impacts on air, water, places and … people
• Keynote by Kristie Ebi
  Protecting and promoting health in the Anthropocene

Wednesday, August 28, 2019 – 8:30 AM - 10:00 AM
• Awards Ceremony
• Keynote by Marc Weisskopf
  Mind over matter: air pollution and the brain
• Keynote by Kalpana Balakrishnan
  Creating seamless breathing spaces: air pollution in India

4:30 PM - 5:30 PM
• SNRN awards and Closing Ceremony
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<thead>
<tr>
<th>TIME</th>
<th>WORKSHOP</th>
<th>TOPIC</th>
<th>LOCATION</th>
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<tbody>
<tr>
<td>10:00 AM-1:30 PM</td>
<td>PCW 01</td>
<td>Health Impact Assessment for Environmental Epidemiologists</td>
<td>212</td>
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<tr>
<td>10:00 AM-1:30 PM</td>
<td>PCW 02</td>
<td>Modelling desert dust exposure events for epidemiological short-term health effects studies</td>
<td>214</td>
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<tr>
<td>10:00 AM-1:30 PM</td>
<td>PCW 03</td>
<td>Peer review for authors of scientific manuscripts</td>
<td>218</td>
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<tr>
<td>10:00 AM-1:30 PM</td>
<td>PCW 05</td>
<td>Advanced modelling techniques for time series analysis using R</td>
<td>210</td>
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<tr>
<td>10:00 AM-6:00 PM</td>
<td>PCW 10</td>
<td>Argumentation on causal relations in environment health issues. How do environmental epidemiologists differ in their reasoning from other professionals?</td>
<td>211</td>
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<tr>
<td>10:00 AM-6:00 PM</td>
<td>PCW 11</td>
<td>Climate Change in the Arctic: Impact on the Health of Indigenous and Worker Communities</td>
<td>219</td>
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<tr>
<td>2:30 PM-6:00 PM</td>
<td>PCW 04</td>
<td>Projecting health impacts under climate change scenarios</td>
<td>115</td>
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<tr>
<td>2:30 PM-6:00 PM</td>
<td>PCW 06</td>
<td>Improve Environmental Health Competence for Research and Actions: Sentinel Physicians for the Environment (SPE)</td>
<td>218</td>
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<tr>
<td>2:30 PM-6:00 PM</td>
<td>PCW 07</td>
<td>Introduction to the analysis of air pollution health impacts using AirQ+</td>
<td>214</td>
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<tr>
<td>2:30 PM-6:00 PM</td>
<td>PCW 08</td>
<td>A Journal Editor’s Guide to Successful Systematic Reviews: Common Challenges Faced by Submitting Authors, and How to Overcome Them</td>
<td>210</td>
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<tr>
<td>2:30 AM-6:00 PM</td>
<td>PCW 09</td>
<td>Mixtures Analysis with Weighted Quantile Sum (WQS) Regression and its Extensions</td>
<td>212</td>
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<tr>
<td>6:00 PM-8:00 PM</td>
<td>Welcome reception</td>
<td>Welcome reception</td>
<td>Exhibition Hall</td>
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<td>7:30 AM- 8:30 AM</td>
<td><strong>ISEE New and Prospective Members coffee hour</strong></td>
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<td>8:30 AM- 10:00 AM</td>
<td><strong>Plenary Session</strong></td>
<td><strong>Beatrix theater</strong></td>
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**Symposia**

| 10:30 AM- 12:00 PM | **S01 Mapping the Air Pollution Metabolome: Applications, Limitations, and the Path Forward** | 217 |
| 10:30 AM- 12:00 PM | **S03 One Health: On animals, humans and the environment** | 417 |
| 10:30 AM- 12:00 PM | **S05 PFAS Research Reaches its Adolescence: What Have We Learned and Where Are We Going?** | **Beatrix theater** |
| 10:30 AM- 12:00 PM | **S20 A world less dependent on fossil fuels – scientific evidence and corporate influence. An ISEE Policy Committee Symposium** | 315 |

**Oral sessions**

| 10:30 AM- 12:00 PM | **OPS 01 Understudied environmental health issues** | 412 |
| 10:30 AM- 12:00 PM | **OPS 10 Wildfires** | 210 |
| 10:30 AM- 12:00 PM | **OPS 15 Chemicals and pregnancy** | 114 |
| 10:30 AM- 12:00 PM | **OPS 25 Drinking water contamination and adult health** | 411 |

**Poster discussion sessions**

| 10:30 AM- 12:00 PM | **OPS 45 Cardiometabolic effects of air pollution** | 117 |
| 10:30 AM- 12:00 PM | **OPS 57 Black carbon exposure and health effects** | 110 |

**Symposia**

| 1:30 PM- 3:00 PM | **S04 Expanding the Role of the Environment in the Global Burden of Disease** | **Beatrix theater** |
| 1:30 PM- 3:00 PM | **S08 Setting the European Environment and Health Research Agenda, 2020-2030: the HERA project** | 217 |
| 1:30 PM- 3:00 PM | **S09 Assessing health co-benefits of climate change mitigation in the Asia-Pacific region** | 417 |
| 1:30 PM- 3:00 PM | **S21 When the Answer is “Big(ger) Data” in Environmental Epidemiology: What are the Questions?** | 315 |

**Oral sessions**

<p>| 1:30 PM- 3:00 PM | <strong>OPS 09 Cookstoves and children</strong> | 114 |
| 1:30 PM- 3:00 PM | <strong>OPS 13 Heat, cold and mortality</strong> | 117 |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Room</th>
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<tr>
<td>1:30 PM-3:00 PM</td>
<td><strong>OPS 18</strong> Cardiometabolic effects of chemical exposures</td>
<td>110</td>
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<tr>
<td>1:30 PM-3:00 PM</td>
<td><strong>OPS 37</strong> Industrially contaminated sites and health</td>
<td>210</td>
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<tr>
<td>1:30 PM-3:00 PM</td>
<td><strong>OPS 39</strong> Metals and biomarkers</td>
<td>411</td>
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<tr>
<td>1:30 PM-3:00 PM</td>
<td><strong>OPS 55</strong> Pesticides and neurological outcomes</td>
<td>412</td>
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<td><strong>Poster discussion sessions</strong></td>
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<tr>
<td>1:30 PM-3:00 PM</td>
<td><strong>PDS 64</strong> Health impact assessment and environmental justice</td>
<td>Johan Friso Foyer</td>
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<tr>
<td>1:30 PM-3:00 PM</td>
<td><strong>PDS 74</strong> Pregnancy outcomes</td>
<td>Exhibition Hall</td>
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| 3:00 PM-4:30 PM | **Thematic poster sessions** – see APP for details                             | Exhibition Hall/
Johan Friso Foyer |
| **Oral sessions** |                                                                                 |        |
| 4:30 PM-5:30 PM | **OPS 03** Machine learning in environmental epidemiology                      | 315    |
| 4:30 PM-5:30 PM | **OPS 08** Biological contaminants and respiratory health                      | 117    |
| 4:30 PM-5:30 PM | **OPS 14** Temperature variation associated with suicide and violence           | 412    |
| 4:30 PM-5:30 PM | **OPS 17** Chemical exposures and respiratory outcomes                          | 110    |
| 4:30 PM-5:30 PM | **OPS 21** Methodological progress in chemicals health effects research         | 210    |
| 4:30 PM-5:45 PM | **OPS 26** Radiation, EMF, cancer and mortality                                | 114    |
| 4:30 PM-5:30 PM | **OPS 41** Metals and birth outcomes                                            | 411    |
| 4:30 PM-5:30 PM | **OPS 42** Cardiometabolic effects of noise exposure                            | 217    |
| 4:30 PM-5:30 PM | **OPS 48** Air pollution and epigenetics                                       | 417    |
| 4:30 PM-5:30 PM | **OPS 51** Air pollution and mortality: what’s new?                             | Beatrix theater |
| **Poster discussion sessions** |                                                                                 |        |
| 4:30 PM-5:30 PM | **PDS 69** Methods and statistics                                              | Johan Friso Foyer |
| 4:30 PM-5:30 PM | **PDS 76** Source specific outdoor air pollution studies                         | Exhibition Hall |
### TUESDAY – AUGUST 27, 2019

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<tr>
<td><strong>Early morning sessions</strong></td>
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<tr>
<td>7:30 AM-8:30 AM</td>
<td>EMS 01 Conflicts of Interest and Publication Policy, With A Special Focus on Litigation: A Roundtable Discussion</td>
<td>110</td>
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<tr>
<td>7:30 AM-8:30 AM</td>
<td>EMS 03 Drinking water battles won and lost</td>
<td>114</td>
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<td>7:30 AM-8:30 AM</td>
<td>EMS 04 Using REDCap Mobile Application for Data Collection in Remote Areas in Multi- National Environmental Health Trial</td>
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<td>7:30 AM-8:30 AM</td>
<td>EMS 05 Applications of spatiotemporal modeling in environmental epidemiology: Successes and challenges</td>
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<td>7:30 AM-8:30 AM</td>
<td>EMS 06 History and Future of the Environmental Epidemiology of Water, Exposure to Chemical Substances and Reflexes on Human Health</td>
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<td>EMS 07 Transitioning to the next step – SNRN breakfast session</td>
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<td>7:30 AM-8:30 AM</td>
<td>EMS 08 Collaborating with the Frenemy: Developing Credible Research Partnerships with Industry</td>
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<tr>
<td>7:30 AM-8:30 AM</td>
<td>EMS 12 Google Air View</td>
<td>417</td>
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<td>8:30 AM-10:00 AM</td>
<td>Plenary Session</td>
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### Symposia

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<tr>
<td>10:30 AM-12:00 PM</td>
<td>S02</td>
<td>Harmonizing insights from intervention studies, contextual information and resource availability to develop policy advocacy for clean cooking and domestic fuel adoption in Africa</td>
<td>417</td>
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<tr>
<td>10:30 AM-12:00 PM</td>
<td>S06</td>
<td>Lead’s long-term legacy: what past exposures can tell us about future disease</td>
<td>315</td>
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<tr>
<td>10:30 AM-12:00 PM</td>
<td>S07</td>
<td>Of moderators and mediators: Complex relationships between greenness, air pollution, noise, and health behaviors in driving health outcomes</td>
<td>Beatrix theater</td>
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| 10:30 AM-12:00 PM | GREEN, AIR, LMIC: PECHAKUCHA COMES TO ISEE! |                                                | Johan Friso Foyer

### Oral sessions

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<tr>
<td>10:30 AM-12:00 PM</td>
<td>OPS 06</td>
<td>Health effects of source-specific outdoor air pollution</td>
<td>117</td>
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<tr>
<td>10:30 AM-12:00 PM</td>
<td>OPS 07</td>
<td>Farm animals, antibiotics, infections and the microbiome</td>
<td>110</td>
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<tr>
<td>10:30 AM-12:00 PM</td>
<td>OPS 11</td>
<td>Health effects of climate change in low- and middle-income countries</td>
<td>114</td>
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<tr>
<td>10:30 AM-12:00 PM</td>
<td>OPS 24</td>
<td>Drinking water contamination and children’s health</td>
<td>411</td>
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<td>10:30 AM-12:00 PM</td>
<td>OPS 27</td>
<td>Radiation, EMF and morbidity</td>
<td>210</td>
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<tr>
<td>10:30 AM-12:00 PM</td>
<td>OPS 49</td>
<td>Air pollution exposure methods</td>
<td>412</td>
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<td>Time</td>
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<td>10:30 AM-12:00 PM</td>
<td><strong>OPS 53</strong> Air pollution and neurological outcomes</td>
<td>217</td>
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<td><strong>Poster discussion sessions</strong></td>
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<td>10:30 AM-12:00 PM</td>
<td><strong>PDS 63</strong> Chemicals and metals: health effects</td>
<td>Exhibition Hall</td>
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<td><strong>Symposia</strong></td>
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<td>1:30 PM-3:00 PM</td>
<td><strong>S10</strong> Quasi-Experimental Designs in Environmental Epidemiology: Applications to the Health Impacts of Energy Policy Changes</td>
<td>417</td>
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<td>1:30 PM-3:00 PM</td>
<td><strong>S14</strong> Use of Exposomic Methods Incorporating Sensors in Environmental Epidemiology</td>
<td>217</td>
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<td>1:30 PM-3:00 PM</td>
<td><strong>S18</strong> Landmarks of Air Pollution Epidemiology: Legacy of Douglas Dockery</td>
<td>Beatrix theater</td>
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<td><strong>Oral sessions</strong></td>
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<td>1:30 PM-3:00 PM</td>
<td><strong>OPS 04</strong> Environmental justice</td>
<td>117</td>
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<td>1:30 PM-3:00 PM</td>
<td><strong>OPS 05</strong> Statistical methods to analyze mixtures</td>
<td>114</td>
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<td>1:30 PM-3:00 PM</td>
<td><strong>OPS 30</strong> Green space and morbidity</td>
<td>110</td>
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<td>1:30 PM-3:00 PM</td>
<td><strong>OPS 31</strong> Health effects of multiple environmental stressors</td>
<td>412</td>
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<td>1:30 PM-3:00 PM</td>
<td><strong>OPS 32</strong> Health impact of interventions 1</td>
<td>315</td>
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<tr>
<td>1:30 PM-3:00 PM</td>
<td><strong>OPS 35</strong> Health effects of indoor air pollution in LMIC countries</td>
<td>411</td>
<td></td>
</tr>
<tr>
<td>1:30 PM-3:00 PM</td>
<td><strong>OPS 60</strong> Social factors and environmental health across the world</td>
<td>210</td>
<td></td>
</tr>
<tr>
<td>1:30 PM-3:00 PM</td>
<td><strong>Utrecht City Walk</strong> – City of Healthy Urban Living (max. 20 people)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Poster discussion sessions</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:30 PM-3:00 PM</td>
<td><strong>PDS 65</strong> Exposure assessment: implications for epidemiology</td>
<td>Exhibition Hall</td>
<td></td>
</tr>
<tr>
<td>1:30 PM-3:00 PM</td>
<td><strong>PDS 75</strong> Microbiome, infections and respiratory effects</td>
<td>Johan Friso Foyer</td>
<td></td>
</tr>
<tr>
<td>3:00 PM-4:30 PM</td>
<td><strong>Thematic poster sessions</strong> - see APP for details</td>
<td>Exhibition Hall</td>
<td></td>
</tr>
<tr>
<td><strong>Oral sessions</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:30 PM-5:30 PM</td>
<td><strong>OPS 20</strong> Chemicals, biomarkers, omics</td>
<td>110</td>
<td></td>
</tr>
<tr>
<td>4:30 PM-5:30 PM</td>
<td><strong>OPS 22</strong> Behavioral effects of chemical exposures</td>
<td>117</td>
<td></td>
</tr>
<tr>
<td>4:30 PM-5:30 PM</td>
<td><strong>OPS 28</strong> Green space and biomarkers</td>
<td>417</td>
<td></td>
</tr>
<tr>
<td>4:30 PM-5:30 PM</td>
<td><strong>OPS 36</strong> Health effects of dietary exposures</td>
<td>210</td>
<td></td>
</tr>
<tr>
<td>4:30 PM-5:30 PM</td>
<td><strong>OPS 38</strong> Effects of metals on child health</td>
<td>114</td>
<td></td>
</tr>
<tr>
<td>4:30 PM-5:30 PM</td>
<td><strong>OPS 43</strong> Noise, stress and mental health</td>
<td>217</td>
<td></td>
</tr>
</tbody>
</table>
### Wednesday – August 28, 2019

<table>
<thead>
<tr>
<th>WHEN</th>
<th>WHAT</th>
<th>WHERE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Early morning sessions</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30 AM–8:30 AM</td>
<td><strong>EMS 02</strong> Differences in Causal Inference from Epidemiological and Non-Epidemiological Evidence</td>
<td>110</td>
</tr>
<tr>
<td>7:30 AM–8:30 AM</td>
<td><strong>EMS 09</strong> Lead in Tap Water: North American Mistakes &amp; Lessons Learned</td>
<td>210</td>
</tr>
<tr>
<td>7:30 AM–8:30 AM</td>
<td><strong>EMS 10</strong> Novel Approaches for Addressing Exposures within the Environmental Influences on Child Health Outcomes (ECHO) Cohorts: Opportunity for Infrastructure Fund (OIF) Research</td>
<td>315</td>
</tr>
<tr>
<td>7:30 AM–8:30 AM</td>
<td><strong>EMS 11</strong> Round-table Discussion with an Environmental Epidemiologist – SNRN breakfast session</td>
<td>411</td>
</tr>
<tr>
<td>7:30 AM–8:30 AM</td>
<td><strong>EMS 13</strong> The importance of engaging in public policy in the age of anti-science</td>
<td>412</td>
</tr>
<tr>
<td>8:30 AM–10:00 AM</td>
<td><strong>Plenary Session</strong></td>
<td>Beatrix theater</td>
</tr>
<tr>
<td><strong>Symposia</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30 AM–12:00 PM</td>
<td><strong>S12</strong> Estimating the Global Risk and Burden of Particulate Air Pollution Exposure: Issues and Challenges</td>
<td>Beatrix theater</td>
</tr>
<tr>
<td>10:30 AM–12:00 PM</td>
<td><strong>S15</strong> Interaction between environmental chemicals and toxicants and the human microbiome</td>
<td>217</td>
</tr>
</tbody>
</table>

**Poster discussion sessions**

| 4:30 PM–5:30 PM | **OPS 44** Occupational health studies with environmental implications | 411                    |
| 4:30 PM–5:30 PM | **OPS 46** Exposure assessment to air pollution in Asia and Africa       | 315                    |
| 4:30 PM–5:30 PM | **OPS 47** Increasing spatiotemporal resolution in assessment of exposure to outdoor air pollutants | 412                    |
| 4:30 PM–5:30 PM | **OPS 56** Ultrafine particles exposure and health effects                | Beatrix theater        |

**Poster discussion sessions**

| 4:30 PM–5:30 PM | **PDS 67** Outdoor air pollution cardiometabolic effects                  | Exhibition Hall        |
| 4:30 PM–5:30 PM | **PDS 71** Exposome                                                      | Johan Friso Foyer      |

**Conference dinner**

| 7:30 PM–11:00 PM | **Conference dinner**                                                  | Spoorwegmuseum         |
### Oral sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Code</th>
<th>Title</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 AM-12:00 PM</td>
<td>OPS 12</td>
<td>Morbidity effects of high and low temperatures</td>
<td>315</td>
</tr>
<tr>
<td>10:30 AM-12:00 PM</td>
<td>OPS 16</td>
<td>Chemical exposures and birth outcomes</td>
<td>114</td>
</tr>
<tr>
<td>10:30 AM-12:00 PM</td>
<td>OPS 33</td>
<td>Health impact of interventions 2</td>
<td>411</td>
</tr>
<tr>
<td>10:30 AM-12:00 PM</td>
<td>OPS 40</td>
<td>Metals: neurological effects</td>
<td>412</td>
</tr>
<tr>
<td>10:30 AM-12:00 PM</td>
<td>OPS 50</td>
<td>Air pollution and health care utilization</td>
<td>117</td>
</tr>
<tr>
<td>10:30 AM-12:00 PM</td>
<td>OPS 52</td>
<td>Air pollution and respiratory health</td>
<td>110</td>
</tr>
<tr>
<td>10:30 AM-12:00 PM</td>
<td>OPS 58</td>
<td>Predictors and impact of active travel</td>
<td>210</td>
</tr>
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</table>

### Poster discussion sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Code</th>
<th>Title</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 AM-12:00 PM</td>
<td>PDS 62</td>
<td>Chemicals and metals: exposure and biomarkers</td>
<td>Johan Friso Foyer</td>
</tr>
<tr>
<td>10:30 AM-12:00 PM</td>
<td>PDS 72</td>
<td>Environmental health issues in LMIC</td>
<td>Exhibition Hall</td>
</tr>
</tbody>
</table>

### Symposia

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Code</th>
<th>Title</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 PM-3:00 PM</td>
<td>S13</td>
<td>How Low Should We Go? New Health Research on Low-level Ambient Air Pollution</td>
<td>Beatrix theater</td>
</tr>
<tr>
<td>1:30 PM-3:00 PM</td>
<td>S16</td>
<td>Emerging PFAS in drinking water is a global public health issue</td>
<td>417</td>
</tr>
<tr>
<td>1:30 PM-3:00 PM</td>
<td>S17</td>
<td>Residential exposure to pesticides and health effects; What we know and what we should know</td>
<td>217</td>
</tr>
</tbody>
</table>

### Oral sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Code</th>
<th>Title</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 PM-3:00 PM</td>
<td>OPS 02</td>
<td>Environmental epidemiology and policy</td>
<td>315</td>
</tr>
<tr>
<td>1:30 PM-3:00 PM</td>
<td>OPS 19</td>
<td>Chemicals: exposure assessment challenges</td>
<td>110</td>
</tr>
<tr>
<td>1:30 PM-3:00 PM</td>
<td>OPS 23</td>
<td>Chemicals and cognitive function</td>
<td>114</td>
</tr>
<tr>
<td>1:30 PM-3:00 PM</td>
<td>OPS 29</td>
<td>Green space and neurological effects</td>
<td>411</td>
</tr>
<tr>
<td>1:30 PM-3:00 PM</td>
<td>OPS 34</td>
<td>Health impact assessments of policies</td>
<td>210</td>
</tr>
<tr>
<td>1:30 PM-3:00 PM</td>
<td>OPS 54</td>
<td>Air pollution and pregnancy outcomes</td>
<td>117</td>
</tr>
<tr>
<td>1:30 PM-3:00 PM</td>
<td>OPS 59</td>
<td>The Exposome: progress in methods and applications</td>
<td>412</td>
</tr>
</tbody>
</table>

### Poster discussion sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Code</th>
<th>Title</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 PM-3:00 PM</td>
<td>PDS 66</td>
<td>Climate change</td>
<td>Exhibition Hall</td>
</tr>
</tbody>
</table>
### GENERAL INFORMATION

#### Registration Desk Hours
- Sunday, August 25: 9:00 AM – 7:00 PM
- Monday, August 26: 8:00 AM – 6:00 PM
- Tuesday, August 27: 8:00 AM – 6:00 PM
- Wednesday, August 28: 8:00 AM – 5:00 PM

#### Speaker Service Center Hours
- Sunday, August 25: 2:00 PM – 7:00 PM
- Monday, August 26: 8:00 AM – 6:00 PM
- Tuesday, August 27: 8:00 AM – 6:00 PM
- Wednesday, August 28: 8:00 AM – 5:00 PM

#### Coat Room Hours
- Sunday, August 25: 9:00 AM – 9:30 PM
- Monday, August 26: 7:00 AM – 6:00 PM
- Tuesday, August 27: 7:00 AM – 6:00 PM
- Wednesday, August 28: 7:00 AM – 5:00 PM

#### Exhibition Hours
- Sunday, August 25: 6:00 PM – 8:00 PM
- Monday, August 26: 10:00 AM – 6:00 PM
- Tuesday, August 27: 10:00 AM – 6:00 PM
- Wednesday, August 28: 10:00 AM – 5:00 PM

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 PM–3:00 PM</td>
<td>PDS 70 Green space</td>
<td>Johan Friso Foyer</td>
</tr>
<tr>
<td>3:00 PM–4:30 PM</td>
<td>Thematic poster sessions- see APP for details</td>
<td>Exhibition Hall / Johan Friso Foyer</td>
</tr>
<tr>
<td>4:30 PM–5:30 PM</td>
<td>SNRN Awards and Closing ceremony</td>
<td>Beatrix theater</td>
</tr>
</tbody>
</table>

**Coat Room Hours**
- Sunday, August 25: 9:00 AM – 9:30 PM
- Monday, August 26: 7:00 AM – 6:00 PM
- Tuesday, August 27: 7:00 AM – 6:00 PM
- Wednesday, August 28: 7:00 AM – 5:00 PM

**Exhibition Hours**
- Sunday, August 25: 6:00 PM – 8:00 PM
- Monday, August 26: 10:00 AM – 6:00 PM
- Tuesday, August 27: 10:00 AM – 6:00 PM
- Wednesday, August 28: 10:00 AM – 5:00 PM
REGISTRATION MATERIALS, BADGES & ON-SITE STAFF

At check-in, each attendee will receive a name badge, program flyer, and other materials. No printed programs other than the program flyer are available. A detailed program can be found in the conference app (download instructions available on the next page). The detailed program and abstract book are also available as PDF files on the Conference Website (https://isee2019.org/program/).

Each participant must wear her/his own badge during the entire meeting. Your badge is the admission pass to all meeting areas including the plenary and poster halls, meeting rooms, and the exhibition area. For social events you will either receive a separate ticket or find the ticket included in your badge holder.

Feel free to ask the meeting staff and volunteers for information at any time. The registration area will always be staffed by at least one person during hours of operation. Conference volunteers will be wearing t-shirts with the conference logo on the front and “How Can I Help You?” on the back.

Please note the meeting rooms are spread over 5 floors so you will need some time to get from one to the other. Stairs and elevators connect the floors. To avoid elevator queues: get some exercise and take the stairs!

WiFi Access
Complimentary WiFi is available for all participants in the meeting venue.

Login: ISEE2019
Password: Utrecht19

Official Language
The official language of the 31st annual conference of the International Society for Environmental Epidemiology (ISEE 2019) is English. No simultaneous translation will be offered.

Mobile Conference App
The ISEE 2019 Conference App is available for all registered delegates to download.

Download
Search for “The Event App” by EventsAIR in your app store and install the app.

Login
Once downloaded, enter Event Code “isee2019” (capital sensitive) and click the submit-button. Please login with your email address and password used for your conference registration. Alternatively, you can also use your PIN code to gain access to the app. You can find your personal PIN code in the “Know Before You Go” email.
MAPS & FLOORPLANS

1. Jaarbeurs – Conference venue (main entrance: Croeselaan)
2. Utrecht Central Station
3. Railway Museum – Dinner location
4. Dom tower & Dom square

1. Jaarbeurs – Conference venue (main entrance: Croeselaan)
2. Utrecht Central Station
5. Soccer field – SNRN Social Soccer event.
   Address: Grebbeberglaan 4 in Utrecht.
Overview

Floorplans

- Entrance
- Railway station
- 3rd floor
- 3rd floor
- 3rd floor
- 3rd floor
- 2nd floor
- 2nd floor
- 2nd floor
- 1st floor
- 1st floor
- 1st floor
- 1st floor
- 1st floor
- Entrance
- Registration desk
- Cloak room
- Exhibition Hall
- Beatrix Theater
- ground floor
Svp de volgende ruimtes een kleurtje geven en voorzien van alleen het nummer zonder "zaal":

- 217 (zalen 211, 212, 214 bij elkaar)

Floorplans
ISEE 2019 DAILY MEETINGS

A variety of meetings are scheduled during the ISEE 2019 Annual Meeting.

### Sunday, August 25, 2019

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISEE Asia Chapter Leadership Meeting</td>
<td>4:15 PM-5:15 PM</td>
<td>312</td>
</tr>
</tbody>
</table>

### Monday, August 26, 2019

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISEE New and Prospective Members coffee hour</td>
<td>7:30 AM-8:30 AM</td>
<td>110</td>
</tr>
<tr>
<td>ISEE Africa Chapter Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>110</td>
</tr>
<tr>
<td>ISEE Asia Chapter Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>114</td>
</tr>
<tr>
<td>ISEE Eastern Mediterranean Chapter Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>117</td>
</tr>
<tr>
<td>ISEE Europe Chapter Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>210</td>
</tr>
<tr>
<td>ISEE Latin America and Caribbean Chapter Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>315</td>
</tr>
<tr>
<td>ISEE North America Chapter Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>411</td>
</tr>
<tr>
<td>Multi-City Multi Country Collaborative Network Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>412</td>
</tr>
<tr>
<td>ISEE General Membership Meeting</td>
<td>5:30 PM-6:30 PM</td>
<td>117</td>
</tr>
<tr>
<td>IRAS Alumni Drinks</td>
<td>6:30 PM-8:30 PM</td>
<td>Molen “De Ster”</td>
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</table>

### Tuesday, August 27, 2019

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Epidemiology Editorial Board Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>110</td>
</tr>
<tr>
<td>ISEE Scientific Committee Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>411</td>
</tr>
<tr>
<td>ISEE Annual Conference Committee Meeting</td>
<td>5:30 PM-6:30 PM</td>
<td>320</td>
</tr>
<tr>
<td>ISEE Ethics &amp; Philosophy Committee Meeting</td>
<td>5:30 PM-6:30 PM</td>
<td>321</td>
</tr>
<tr>
<td>ISEE Membership Committee Meeting</td>
<td>5:30 PM-6:30 PM</td>
<td>411</td>
</tr>
<tr>
<td>ECRHS-Air pollution WG meeting</td>
<td>5:30 PM-6:30 PM</td>
<td>316</td>
</tr>
</tbody>
</table>

### Wednesday, August 28, 2019

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISEE Africa Chapter Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>110</td>
</tr>
<tr>
<td>ISEE Latin America and Caribbean Chapter Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>315</td>
</tr>
<tr>
<td>ISEE Communications Committee Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>114</td>
</tr>
<tr>
<td>ISEE Ethics &amp; Philosophy Committee Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>117</td>
</tr>
<tr>
<td>EHP Associate Editors Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>210</td>
</tr>
<tr>
<td>Meeting for NIEHS pooled study of phthalates and preterm birth (closed meeting)</td>
<td>12:15 PM-1:15 PM</td>
<td>412</td>
</tr>
<tr>
<td>ISEE Policy Committee Meeting</td>
<td>12:15 PM-1:15 PM</td>
<td>411</td>
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</tbody>
</table>
SOCIAL PROGRAM

The program also provides numerous possibilities for networking and dialogue. The Welcome Reception, Chapter meetings, Committees Fair, and General Membership Assembly are open to all attendees; the ISEE Student and New Researchers Network Social event is open to all SNRN attendees. If you are new to ISEE or thinking about joining and want to learn more about ISEE’s mission and how to get involved, please come to the ISEE New and Prospective Members coffee hour on Monday 7:30 AM - 8:30 AM.

Welcome Reception
Sunday August 25, 6:00 PM - 8:00 PM
Jaarbeurs Utrecht, Beatrix Building (meeting venue)
Exhibition Hall
Included in the registration fee

Join us as we kick off ISEE 2019. The reception will provide an opportunity to catch up with colleagues and socialize while enjoying appetizers and drinks. All conference participants are invited to attend the Welcome Reception.

ISEE New and Prospective Members coffee hour
Monday, August 26, 7:30 AM - 8:30 AM

Soccer Tournament for Students and New researchers
Monday, August 26, 7:00 PM - 9:30 PM
Location: The fields are at Grebbeberglaan 4 in Utrecht, a 15-minute walk from the conference venue.

The basic tournament layout will include 1) five on five matches 2) match participation given on a first-come, first served basis and 3) co-ed or all gender teams with unlimited substitutions. We will supply t-shirts to the players.

Active participation in the soccer matches is not required to attend and we hope all SNRN members will feel welcome to come and socialize with their peers! We will provide light food and 1-2 drinks per SNRN attendee.

The event is organized by the SNRN. For more info, please contact the SNRN:
Chair Barrett Welch (isee.snrn@gmail.com) or Toyib Olaniyan (olaniyanolan@gmail.com)
Conference Dinner
Tuesday August 27, 7:30 PM - 11:00 PM
Location: Dutch Railway Museum, included in the registration fee

We are happy to announce that the Conference Dinner will take place at the Dutch Railway Museum.

The Railway Museum in Utrecht, Het Spoorwegmuseum, established in 1927 is dedicated to preserving historical equipment from the Dutch national railway. In 1954 the museum was permanently housed in the Maliebaan Station in Utrecht. A major renovation occurred in the late 1900’s, with the addition of new and modernized facilities. In 2002 the building was completely remodeled with a more public friendly appeal featuring interactive exhibits, drawing hundreds of thousands of delighted visitors.

The Spoorwegmuseum is located at 2 km, pleasant walk or bike ride from the conference center straight through the historic center of Utrecht. Walking and biking guidance will be provided.

For those who prefer to travel by public transportation, we will provide a special ISEE train that will take you from Utrecht Central Station to The Dutch Railway Museum. A round trip ticket costs 5 Euro and can be purchased during your online registration or on site at the Registration Desk.
Grants

“Funding for this conference was made possible (in part) by 1U13ES028574 from the National Institute of Environmental Health Sciences. The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services; nor does mention by trade names, commercial practices, or organizations imply endorsement by the U.S. Government.”