COVID-19 Mini-Series – Part 3

Introduction

Donal Finn, Past President 18/19

30th July 2020
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<th>Agenda</th>
<th>Topic</th>
<th>Speaker</th>
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<tr>
<td>13:00 – 13:05</td>
<td>Introduction</td>
<td>D. Finn</td>
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<td>- Housekeeping</td>
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<td>- COVID-19 Response</td>
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<td>- ASHRAE HQ Resources</td>
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<td></td>
<td>- ASHRAE Learning Institute (ALI)</td>
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<td>13:05 – 13:45</td>
<td>“Human health and the impact of buildings and HVAC systems”</td>
<td>S. Taylor</td>
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<td>13:45 – 13:55</td>
<td>Q&amp;A</td>
<td>S. Taylor</td>
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<td>13:55 – 14:00</td>
<td>Close</td>
<td>D. Finn</td>
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<td>- Next COVID Series Event (13th Aug)</td>
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Questions & Feedback

Questions

- Please use the ‘Questions’ tab to ask any questions related to today’s presentation.
- You may also use the ‘Chat’ function.
- If you are having difficulty, you can send your questions during / after the seminar to: secretary@ashrae-ireland.org

Handouts

- Website (Webinars Page)

Survey

- Would you like further information?
- How would you rate today’s presentation?
- Additional feedback / questions?
Our Response to COVID-19

- ASHRAE Ireland has formed a new **COVID-19 sub-committee** specifically focused on gathering and disseminating guidance for Ireland.
- Hosting this mini-series of **technical webinars** on the theme of tackling spread of airborne infectious diseases.
- Running a series of **short technical articles** from expert members of ASHRAE and invited speakers.
This 8-part technical mini-series of technical webinars brings together a range of experts covering a breadth of topics in the context of COVID-19 and mitigation of spread of airborne infections in the built environment. Topics include: indoor air quality (IAQ), building monitoring, facility management, ventilation, filtration and air-cleaning. The webinars are free and open to all to attend.

Dr. Parag Rastogi (18th June)
Lead Building Physicist, Arbnco

Michael Curran (2nd July)
NUI Galway and CIBSE Ireland

Prof. Bill Bahnfleth (16th July)
PSU & Chair, Epidemic Task Force

Dr. Stephanie Taylor M.D. (30th July)
Harvard Medical School

13th August

27th August

10th September

24th September
ASHRAE HQ Resources

• Free Technical Resources (Regularly updated)
  – https://www.ashrae.org/covid19
  – Topics include: General guidance for HVACS, Building Re-opening; Filtration / Disinfection; Transportation.
  – Residential, Commercial, Healthcare, Schools and Universities.

• ASHRAE Epidemic Task Force
  – Over 100 expert members (Roster)
  – Q&A: COVID-19@ashrae.org

• Relevant Position Documents
  – ASHRAE Position Document on Infectious Aerosols
  – ASHRAE Position Document on Airborne Infectious Diseases

• ASHRAE Literature Access - Link
  – ASHRAE Handbooks
  – Standards and Guidelines
  – ASHRAE technical journal articles and presentations

• ASHRAE Learning Institute (ALI) - Link
  – Free Instructor-lead training courses.
  – Building Re-opening webinars for Europe (FREE)
<table>
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<tr>
<th>Course Title</th>
<th>Date</th>
<th>Time</th>
<th>Instructor</th>
<th>Institution</th>
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<tr>
<td>FREE! Re-Opening Our Schools: Activities and Recommendations</td>
<td>16 Jun 2020</td>
<td>Online, Tuesday 10:00</td>
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<td>NEW! Laboratory Exhaust Stacks: Safe and Energy-Efficient Design</td>
<td>16 Jun 2020</td>
<td>Online, Tuesday 1:00</td>
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<td>NEW! Hospital HVAC: Infection Mitigation, Comfort, Performance</td>
<td>18 Jun 2020</td>
<td>Online, Thursday 10:00</td>
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<td>FREE! Managing Your HVAC Systems to Help Mitigate the Spread of SARS-CoV-2 in Buildings</td>
<td>29 Jun 2020</td>
<td>Online, Monday 2:00</td>
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<tr>
<td>NEW! COVID-19 and Buildings: Re-Occupation after Lockdown</td>
<td>08 Jul 2020</td>
<td>Online, Wednesday 4:00</td>
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<td>FREE Analysis of Airflow Patterns and Flow Path of Airborne Contaminants</td>
<td>21 Jul 2020</td>
<td>Tuesday 11:00 AM to 12:00 PM EDT</td>
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<td><a href="#">Register</a></td>
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ASHRAE Ireland Chapter - COVID-19 Technical Mini-Series – Part 4
“Human health and the impacts of buildings and HVAC Systems”

Panelist: Dr. Stephanie Taylor, M.D., M. Arch, FRSPH(UK), CABE, ASHRAE D.L.
Chair: Dr. Donal Finn, UCD, Dublin
Date/Time: Thu, Jul 30, 2020 1:00 PM - 2:00 PM BST
Registration Link: https://bit.ly/2ZHfysz
Enquiries: secretary@ashrae-ireland.org

This seminar will focus on the role of buildings and HVAC systems in human health and wellbeing, especially in the context of the current COVID-19 pandemic. Critically, the seminar addresses the importance of adequate indoor ventilation, appropriate environmental conditions and other factors which directly impact on occupant health and the risk of spread of infectious diseases. Furthermore, this seminar will cover recent scientific developments in the role of environmental conditions in the spread of infections, and how our knowledge about medicine and the human body can drive more effective design and operation of modern buildings.

About the Speaker: Dr. Stephanie Taylor received her MD from Harvard Medical School, Boston, Massachusetts in 1984. For the next several decades, she practiced clinical medicine and did academic research in cellular growth mechanisms. After working as a physician for many decades, Dr. Taylor obtained a Masters in Architecture as well as Infection Control certification. Her lifelong commitment to patient care includes focusing on improving the healthcare physical environment and clinical work processes to help patients heal quickly and save hospitals money. Dr. Taylor is a graduate of Harvard Medical School (MD), and Norwich University (Masters Architecture). She has numerous research publications in Nature, Science, and other peer-reviewed journals.
Human health and the impact of buildings and HVAC systems

Dr. Stephanie Taylor, M.D., M.Arch, FRSPH(UK), CABE, ASHRAE D.L.
Infectious Control Consultant, Harvard Medical School
Human health and the impact of buildings and HVAC systems

Dr. Stephanie Taylor, M.D., M.Arch, FRSPH(UK), CABE, ASHRAE D.L.
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CLOSE
## ASHRAE Ireland Board 2020/21

### Committee Members
- **M. Geraghty, Entropic**
  - President
- **K. Goodman, Jacobs**
  - Vice-President
- **P. McEnroy Tandem Ltd**
  - Treasurer
- **D. Coakley, MERCE-UK**
  - Secretary

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*Required ASHRAE Committees

[http://ashrae-ireland.org/about/](http://ashrae-ireland.org/about/)
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