

CIBSE ASHRAE Group – Group Report December 2016

Note: Please comment under any categories that apply to your particular group, inserting n/a in any other spaces. Groups are not expected to have an entry under every heading.

Name of Group																																		
ASHRAE																																		
Introduction																																		
<p>Formed in 1995 the CIBSE ASHRAE Group represents members who have an interest in the Building Services industry worldwide. Whilst a Group within CIBSE, membership is additionally open at no cost to members of ASHRAE, and also to interested individuals who are neither a member of CIBSE nor ASHRAE. The group is unique within CIBSE in that it is not associated with a particular sub-discipline of building services and aims to focus primarily on issues with a transatlantic emphasis and inter-institutional activity.</p>																																		
Please list all Group officers and all other Group committee members. (Please include roles against each name.)																																		
Role	Name																																	
Chairman	Tim Dwyer																																	
Vice Chairman	Stephen Gill																																	
Secretary/Communications officer	Ewen Rose																																	
Treasurer	-																																	
Student Activities	Ryan Rodrigues																																	
Research officer	Richard Rooley																																	
Historic officer	David Arnold																																	
Liaison members																																		
ASHRAE	David Arnold, Richard Rooley																																	
Young Engineers' Network	Josh Eckett																																	
Institute of Refrigeration	Colin Vines																																	
Any vacancies on the Group committee																																		
Group Membership/CIBSE Membership – Any points of note or interest including membership drives																																		
<p>Current membership of the Group on the CIBSE database is over 17663 – even with the recent clearing of the CIBSE CRM system this is a significant rise since December 2015 (17135) of over 500 members</p> <p>The group has members in 139(151) countries. The top 10 are ...</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th></th> <th>December 2016</th> <th>December 2015</th> </tr> </thead> <tbody> <tr> <td>UK</td> <td>7788</td> <td>7893</td> </tr> <tr> <td>Hong Kong</td> <td>1905</td> <td>1918</td> </tr> <tr> <td>UAE</td> <td>934</td> <td>900</td> </tr> <tr> <td>Ireland</td> <td>697</td> <td>700</td> </tr> <tr> <td>India</td> <td>620</td> <td>561</td> </tr> <tr> <td>Australia</td> <td>586</td> <td>601</td> </tr> <tr> <td>USA</td> <td>501</td> <td>479</td> </tr> <tr> <td>Qatar</td> <td>233</td> <td>219</td> </tr> <tr> <td>Malaysia</td> <td>205</td> <td>200</td> </tr> <tr> <td>Singapore</td> <td>197</td> <td>186</td> </tr> </tbody> </table>			December 2016	December 2015	UK	7788	7893	Hong Kong	1905	1918	UAE	934	900	Ireland	697	700	India	620	561	Australia	586	601	USA	501	479	Qatar	233	219	Malaysia	205	200	Singapore	197	186
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Group events (i.e. events organised by the Group's committee and publicised to the Group's membership)

The activities of the Group are on a wide technical base, attempting to carry through a broadly transatlantic theme.

Evening meetings are generally presented on the second Wednesday of the month principally uses webinars (sometimes with small physical venues) delivering to a global audience.

To illustrate the breadth of material 2016 has included

- Webinar - Weather data for use in building energy calculations with Joe Huang speaking live from California attracted a record number of registrations

- Webinar - The 'smart' answer to indoor air quality - Max Sherman speaking live from California outlined the requirements of a smart control ventilation strategy – the recording has been viewed 550 times since November.

- Webinar - Oversized air-conditioning systems and overcooled buildings in hot and humid climates. Chandra Sekhar spoke live from Singapore explore why air-conditioned buildings in hot and humid climates and discussed solutions for creating a more thermally comfortable and healthy indoor environment that can also save energy.

Webinar - Mitigating air-borne infection in ventilation systems with ultraviolet germicidal irradiation (UVGI). Hillary Spicer from Birmingham considered the spread of infections in, and between, buildings and how ventilation systems can unwittingly exacerbate these problems.

Webinar and London location (organised by IoR) - Supermarket energy use and emissions - technology options review. Yunting Ge and Judith Evans reviewed technology options for supermarket energy use and emissions.

London event and webinar - Engineering Excellence - BREEAM, BIM, Engineering Processes & Systems Integration. Mark Chandler provided an insight into collaboration between client and service provider by reflecting on the workspace preparation for a modern iconic building in the City of London.

And as ever, the key activity was the CIBSE/ASHRAE Graduate of the Year Award that is held, in conjunction with the ASHRAE Presidential lecture, in the autumn of each year – this year being the 21st occasion.

This well-established and prestigious competition rewards the best graduate from a programme related to CIBSE/ASHRAE activities. This year the evening had another receptive and enthusiastic audience of over 160 who witnessed the short presentations by the nine attending finalists on “Computers and digital technologies are transforming the way engineers work. What impact do you think this is having on innovation; professionalism; and traditional engineering skills?”. The winner was Antoni Sapina Grau of WSP Parsons Brinkerhoff who studied as a postgraduate at Brunel University and previously at the Polytechnic University of Valencia.

Last year's winner Ryan Rodrigues travelled to the 2016 Orlando ASHRAE winter meeting as the prize. He has subsequently joined in the ASHRAE YEA in their 'Leadership Weekend' in Athens in September (supported by his employer Hurley Palmer Flatt).

The competition was this year jointly sponsored by three major sponsors Andrews Water Heaters, Ruskin Air Management and Waterloo Air and supported by CIBSE, ASHRAE, IMechE (and particularly the CBSD) and the Rumford Club (with generous bursaries for the runners up) and CIBSE Patrons. Last year's winner Ryan Rodrigues joined the judging panel.

Following the presentations from the finalists, ASHRAE president Tim Wentz presented at the London HQ of IMechE. Tim was also on the judging panel for the Graduate of the Year Award along with CIBSE and IMechE presidents

CIBSE ASHRAE Group – Group Report December 2016

Those unable to attend the group meetings (including the many international members - almost half of the CIBSE ASHRAE group are outside UK/Ireland) are able to gain access to most of the presentations through the group website, www.cibseashrae.org as well as participate in webinars.

In the 12 months to December 2016 there were in excess of 8000 unique visitors.

The presentations that has been downloaded most in the year are

- Ian Fielder 'FM Service Industry Perspective USA and The U.K.' from 2002 that has been downloaded 5,565 times,
- Designing MEP Systems and Code Compliance in the Middle East GCC Region from 2014 by ChewPieng Ryan and Catherine Elliott-Scott of Buro Happold downloaded 4,783 times
- 'Life Cycle Costing for Building Services' by Scott West in 2011, 3,717 downloads
- Geoff Leventhall from 2006 "Noise Control in HVAC - Active Passive or None?" downloaded 3,539 times
- Ian Dunsdon, from 2015, 'Air Conditioning a Refrigeration Problem' (a paper) 2,420 times

Events held in conjunction with other Groups or the CIBSE Regional Committees

Annual event (evening presentation) held in conjunction with CIBSE FM Group YEN (CIBSE Young Engineers Network) collaboration with CIBSE ASHRAE Graduate of the Year

Rumford Club provided bursaries for runners up in the Graduate of the Year competition.

Events in conjunction with any external bodies

IMechE CBSD collaborated once again with the Graduate of the Year and ASHRAE Presidential Lecture. The IMechE President was also one of the judges

Inst of Refrigeration hold a joint annual event with the group and were involved in the events during the lead in to the Graduate of the Year award.

Publications involvement

None

Research activities of the Group

No specific actions.

Group involvement in consultations and policy development

None

Communications – e-newsletters, newsletters, website, forum etc

The group website (hosted independently of CIBSE, www.cibseashrae.org) and regular emails keep contact with a large proportion of the membership—the majority of group members have an email address. The site provides an automated group registration process (that automatically contacts CIBSE HQ), maintains an updated programme, abstracts, and papers from group events. There is still an intent is to move the CIBSE ASHRAE Group website on to the CIBSE platform in the near future.

The site has attracted 5,650 unique visitors in the past 12 months and there have been approximately 59,000 downloads of presentations from the site. (See www.cibseashrae.org for available downloads.) This is in addition to views of the recorded online webinars.

CIBSE ASHRAE Group – Group Report December 2016

The group continues to benefit from coverage in the CIBSE Journal – the Journal continues to be keen to take articles covering CIBSE and ASHRAE activities.
Education/Careers activities
Awards/Competitions organised by the group
CIBSE ASHRAE Group Graduate of the Year
Collaboration with other bodies and development of knowledge networks
Joint events with ASHRAE, IMechE, IoR
Sponsorship - What sponsorship was received this year, in kind or monetary? Are any future activities involving sponsorship planned?
Andrews Water Heaters, Ruskin Air Management and Water Air Products sponsored the Graduate of the Year. The group plans to recognise the sponsors (with a certificate) at the CIBSE Reception at the Las Vegas ASHRAE meeting in January 2017
Any activities of the group (relating to the group's original aims and objectives) that have not been covered above
None
Any noteworthy trends internal or external to the group that have a bearing on the group's operation
The CIBSE ASHRAE Graduate of the Year had a full capacity audience with a significant number of younger attendees – there has been strong support from both CIBSE and IMechE HQ staff