

COBEE2022

The 5th International Conference on Building Energy and Environment

Centre for Zero Energy Building Studies (CZEBS)
Concordia University
2022 July 25 - 29, Montreal, QC

COBEE 2022 MONTREAL

5TH INTERNATIONAL CONFERENCE ON
BUILDING ENERGY AND ENVIRONMENT

🕒 25th-29th July 2022

📍 Concordia University

Registration is Open

Revised Paper Submission

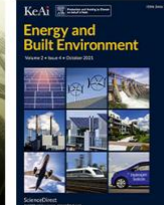
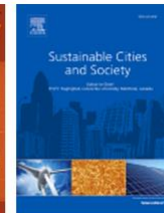
Deadline: Apr. 1st, 2022

Overview



www.COBEE2022.org

- The **Centre for Zero Energy Building Studies (CZEBS)@Concordia University** is proud to host the **5th International Conference on Building Energy and Environment (COBEE 2022)**
- **COBEE2022 Facts** in the COBEE history
 - Most abstract submissions (562 papers)
 - Most accepted papers (400): 325 full papers (8 pages) and 75 extended abstracts (3 pages)
 - Most worldwide coverage: 171 universities and 6 continents
 - Largest COBEE delegates from North America (158 papers); Asia (142 papers)
 - Largest conference on building engineering in Canada: 125 papers just from Canada
 - Most diversified with focuses on energy, health & renewables in smart buildings & cities
 - Mostly supported conference with major top-tier journals in building engineering
 - Largest international conference at Concordia University in 2022
 - Host to international workshops and collaborations: IEA Annex [79](#) & [80](#); [JSPS](#); [CIB TG 97](#)



History

1. COBEE2008 in China
2. COBEE2012 in USA
3. COBEE2015 in China
4. COBEE2018 in Australia
5. COBEE2022 in Canada
6. COBEE2024 in Netherlands



COBEE2022 Organization

CONFERENCE CHAIRS & SECRETARIAT

General Chair	Dr. Liangzhu (Leon) Wang	Concordia University, Canada
Co-Chair	Dr. Hua Ge	Concordia University, Canada
Co-Chair	Dr. John Zhai	Univ. of Colorado Boulder, USA

SECRETARIAT	Dr. Mohamed Ouf, Concordia University, Canada	
	Dr. Dahai Qi, Université de Sherbrooke, Canada	
	Dr. Chanjuan Sun, Univ. of Shanghai for Science and Technology, China	
	Dr. Dengjia Wang, Xi'an University of Architecture and Technology, China	

PROGRAM CHAIRS

Dr. A. Athienitis	Building Renewables, Solar Buildings	Concordia University, Canada
Dr. U. Eicker	Smart Cities (AI, IoT, ML)	Concordia University, Canada
Dr. T. Stathopoulos	Wind Engineering, Urban Physics	Concordia University, Canada
Dr. R. Zmeureanu	Thermal Comfort; Mechanical Systems	Concordia University, Canada
Dr. F. Haghightat	Indoor Air Quality and Health; Ventilation	Concordia University, Canada
Dr. M. Lacasse	Building Envelope and Materials	National Research Council
Dr. I. Beausoleil-Morrison	Thermal Storage; Advanced modeling and Building simulations	Carleton University, Canada
Dr. I. Hassan	Community and Urban Energy and Environment	Texas A&M University at Qatar, Qatar

TECHNICAL CHAIRS

Dr. M. Stylianou	CanmetENERGY, Natural Resources Canada	Canada
Dr. L. O'Brien	Carleton University	Canada
Dr. C. Duchaine	Université Laval	Canada
Dr. G. Bitsuamlak	Western University	Canada
Dr. S. Leroyer	Environment Canada	Canada
Dr. S. Cao	Southeast University	China
Dr. N. Gao	Tongji University	China
Dr. M. Kummert	Polytechnique Montreal	Canada
Dr. Z. Liao	Ryerson University	Canada
Dr. Y. Liu	Xi'an University of Architecture&Technology	China
Dr. J. Pei	Tianjin University	China



JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE

日本学術振興会



Join ASHRAE Today
Click Here >



ISEBE

International Society of Energy
and Built Environment



IABP

International Association of Building Physics

Keynotes

The **Most** influential keynotes in the COBEE conference history



Yugu Li
Hong Kong University, China



Mat Santamouris
University New South Wales, Australia



Andrew Persily
National Institute of Standards and
Technology, USA



Tianzhen Hong
Lawrence Berkeley National Laboratory, USA



Colleen Mercer Clarke
International Federation of Landscape
Architects Committee on Professional Practice
and Policy, Canada

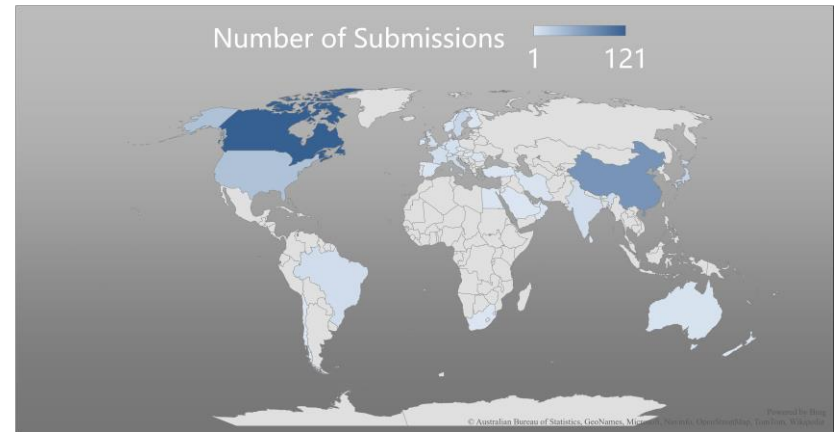


Michael Lacasse
National Research Council Canada, Canada

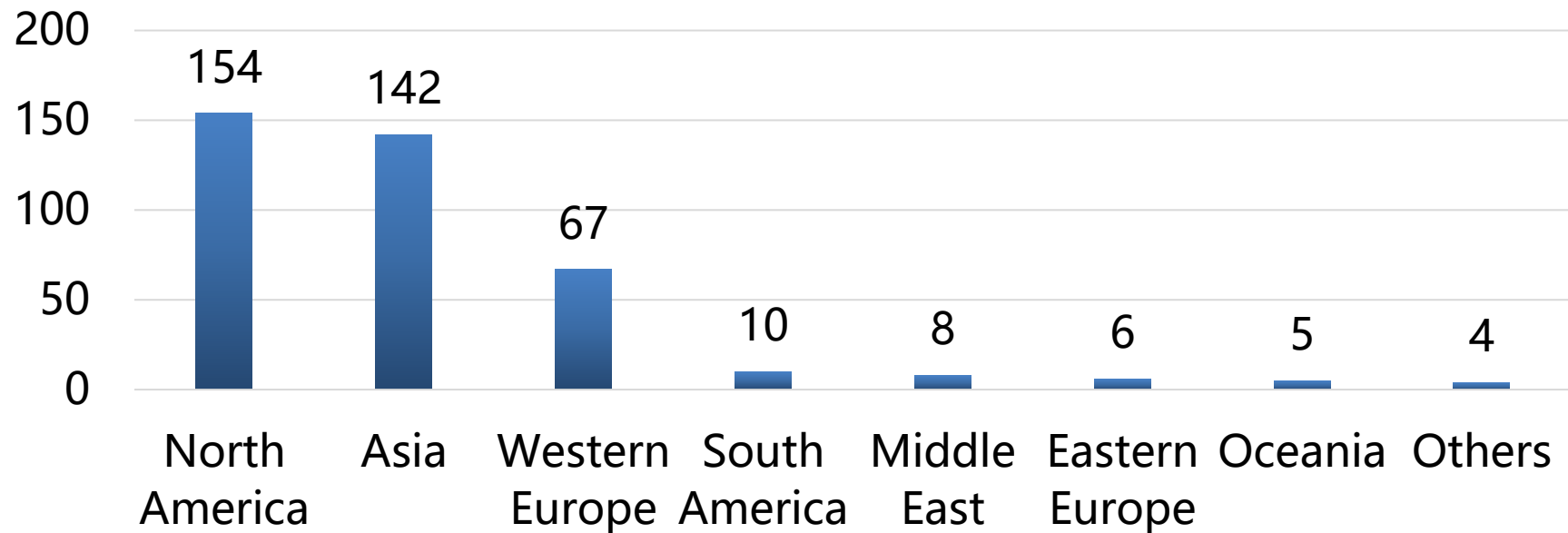


Ian Beausoleil-Morrison
Carleton University, Canada

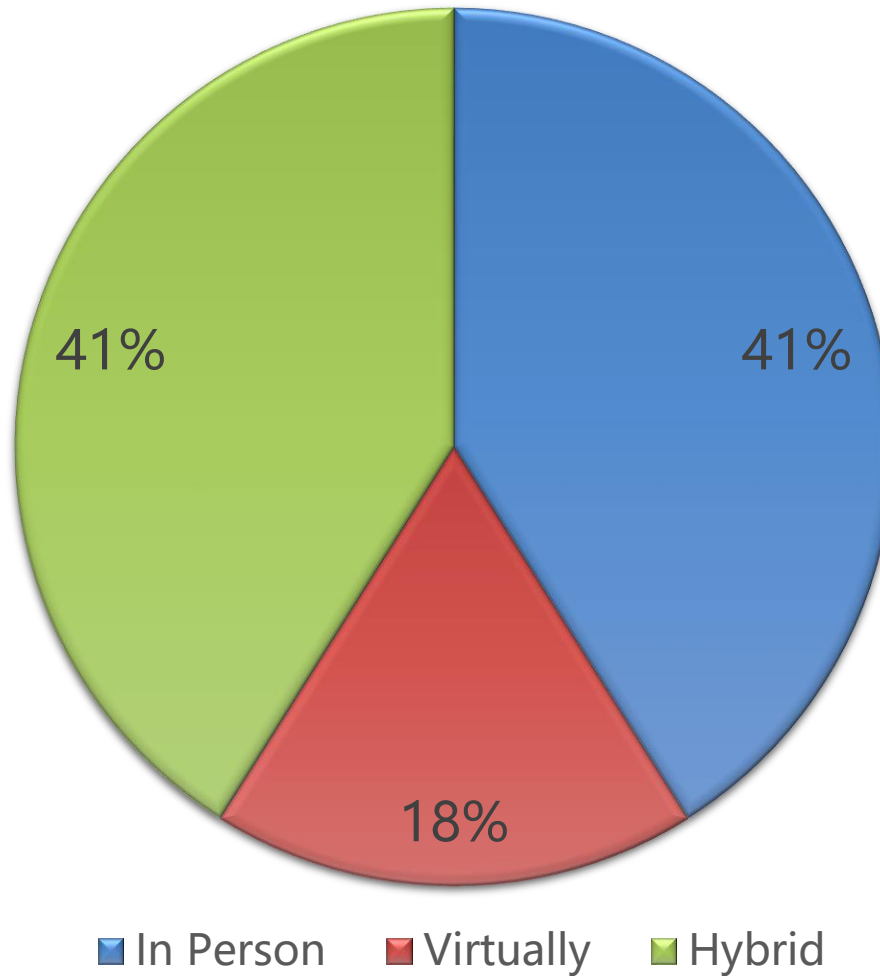
The Largest conference with ~400 accepted papers in COBEE conference history



Number of Accepted Papers



The **Largest** in-person conference at GCS and Concordia in the post-COVID period in 2022



Program with Opening/Plenary Sessions

COBEE 2022 PROGRAM SCHEDULE

Time	Mon., July 25	Tue., July 26	Wed., July 27	Thu., July 28	Fri., July 29
8:30 - 10:00	Registration	Opening Ceremony + Plenary Session	Plenary Session	Plenary Session	Plenary Session
10:00 - 10:30		Coffee Break	Coffee Break	Coffee Break	Coffee Break
10:30 - 12:00		Parallel Sessions	Parallel Sessions	Parallel Sessions	Parallel Sessions
12:00 - 13:00		Lunch	Lunch	Lunch	Lunch
13:00 - 14:30		Parallel Sessions	Parallel Sessions	Parallel Sessions	Closing
14:30 - 15:00		Coffee Break	Coffee Break	Coffee Break	Tours (FBL, CZEB / NGCI Labs)
15:00 - 16:30		Parallel Sessions	Parallel Sessions	Parallel Sessions	
16:30 - 18:00		Reception			
Starting 18:00	Banquet / Awards ceremony / New Conference Announcement				

Major focuses on **health**, and **renewables** in **smart** buildings and cities

Topic	Count of submissions	No. of sessions
Health and Indoor Air Quality, Ventilation	79	13
Building Physics, Building Envelope and Materials	45	8
Building Renewables, Solar Buildings & Smart Grid	44	7
Advanced Modeling and Building Simulations, CFD	41	7
Urban Microclimate and Energy	28	5
COVID-19, Pandemic and Epidemic	26	4
Resilience and Climate Change	18	3
Thermal Comfort	15	3
Occupant-Centric Building Design and Controls	15	3
Low/Zero Carbon Emission Buildings and Communities	13	2
Smart Buildings and Smart Cities (ML, AI, IoT)	11	2
Building Mechanical System and Controls	10	2
Thermal Storages	4	1
Wind Engineering, Aerodynamics and Urban Physics	4	1
Building Fire Safety	7	1
Building Codes and Standards	7	1

SPONSORSHIP OPPORTUNITIES

Join us at COBEE2022 in Montreal, Quebec!
We offer a variety of sponsorship opportunities
to fit your marketing objectives and budget

SPONSORSHIP BENEFITS

	Platinum \$8000	Gold \$4000	Silver \$2000	Bronze \$1000
Exhibit table (incl. 6 ft table, 2 chairs, power outlet + wifi)	✓	✓		
“Virtual booth” on Sponsor webpage	✓	✓	✓	✓
- Logo, contact information, PDF brochures, and multi-media				
Opportunity to give remarks at the event	✓	✓		
Access to conference delegate list (for those who have opted in)	✓	✓	✓	✓
Logo in ascending sponsorship level on:				
- Conference homepage, event signage, program, social media mentions, etc	✓	✓	✓	✓
Complimentary event passes (in person or virtually)	4	3	2	1
Logo on badges	✓			
Logo on welcome slides (virtual)	✓	✓		