

IUPAC-2021

48th World Chemistry Congress and 51st General Assembly

August 13th to 20th, 2021
Canada



Montréal



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Executive Summary

The Canadian Society for Chemistry (CSC) and the Canadian National Committee for IUPAC (CNC-IUPAC) wish to host the 48th IUPAC World Chemistry Congress and the 51st IUPAC General Assembly on 13-20 August 2021 in Montréal, Canada, with the scientific theme “Frontiers in Chemistry: Health, Energy, Sustainability and Society”. The national organizing committee for the event includes prominent chemists from academia and the National Research Council, and experienced administrators within the CSC. In addition, a team of world renowned chemists have been assembled to organise the themes of the congress with emphasis on young scientists. The beautiful international city of Montréal is ideally suited to accommodate the event in the conveniently located and world class Palais des congrès. With the success of hosting the IUPAC GA & WCC in Vancouver (1981) and Ottawa (2003), IUPAC members in Canada will work closely with the IUPAC Secretariat and in collaboration with the Divisions and Committees of IUPAC to ensure that this event will be the most successful IUPAC GA & WCC. Based on the locations for the IUPAC GA & WCC since 2003, 2021 is an appropriate time for the IUPAC GA & WCC to return to Canada and North America.



Neil Burford, Professor and Chair | Department of Chemistry
Elliott 301, PO Box 1700 STN CSC Victoria BC V8W 2Y2 Canada
T 250-721-7150 | F 250-721-7147 | nburford@uvic.ca | uvic.ca/science/chemistry

21 February 2017

Dr. Lynn Soby
Executive Director
IUPAC Secretariat
79 T.W. Alexander Drive
Research Commons Building 4501, Suite 190
Research Triangle Park, NC 27709, USA

Dear Dr. Soby:

I am writing on behalf of the Canadian National Committee for IUPAC (CNC-IUPAC) and on behalf of the Canadian Society for Chemistry (CSC) to offer a strong commitment for members of CNC-IUPAC and members of the CSC to host the 51st International Union of Pure and Applied Chemistry (IUPAC) General Assembly and 48th World Chemistry Congress (GA&WCC) in 2021 in Montreal, Quebec.

CNC-IUPAC is administered by the National Research Council of Canada (NRC), the premier research and technology organization of the Government of Canada, and the members are members of the CSC. CNC-IUPAC is responsible for advising the Canadian chemical community of IUPAC activities to ensure maximum benefit to Canada, and informing and promoting IUPAC activities that are of particular importance to Canada. Canadian chemists and chemical engineers are heavily involved in IUPAC Division and Standing Committee project work and Canadian chemical industries are also well connected with IUPAC activities.

The CSC is a leading organization in advancing the chemical sciences in Canada. The Society aims to connect academia, industry and government through conferences, publications and their many programs. The CSC provides opportunities for Canadians to become international players in scientific research through their partnerships with Canadian chemical trade associations, and international partnerships. The CSC participates in a number of lobby groups who support the government to define the economic benefits of research in Canada by participating in pre-budget consultations on scientific research and policy issues.

Montréal is considered one of the top cities to visit internationally, with its diverse cultures, excellent cuisine and scenic sites. We feel that CNC-IUPAC and the CSC will host a strong and vibrant conference and Montréal is the ideal location for the event.

Canada's chemical science community looks forward to participating in the 51st International Union of Pure and Applied Chemistry (IUPAC) General Assembly and 48th World Chemistry Congress (GA&WCC) and we strongly recommend your committee consider Canada as your host for 2021 or 2023.

Sincerely,

A handwritten signature in black ink, appearing to read 'Neil Burford'.

Neil Burford
Chair of the Canadian National Committee on IUPAC (CNC-IUPAC)
Past President of the Canadian Society for Chemistry (CSC)



IUPAC – 2021 48th World Chemistry Congress and 51st General Assembly

“FRONTIERS IN CHEMISTRY: HEALTH, ENERGY, SUSTAINABILITY AND SOCIETY”

On behalf of the National Research Council (NAO for Canada), the Canadian Society for Chemistry (CSC) and the Canadian National Committee for IUPAC (CNC-IUPAC) wish to host the 48th IUPAC World Chemistry Congress and 51st IUPAC General Assembly on 13-20 August 2021 in Montréal, Canada. The theme of the congress is “Frontiers in Chemistry: Health, Energy, Sustainability and Society”.

The National Research Council (NRC) is the National Adhering Organization in Canada for IUPAC. The NRC is the principal organization within the Government of Canada consisting of 12 areas of research and development aligned with key industry sectors. More than 70 universities in Canada offer undergraduate programs in Chemistry. More than 40 of these universities offer graduate programs that produce 300-400 chemistry PhD graduates per year and appoint 300-400 Postdoctoral Fellows.

The Chemistry Industry Association of Canada (CIAC) introduced Responsible Care in the mid 1980's, which is now used by the global chemical industry in over 60 countries. Chemical scientists and engineers are employed in a wide sector of chemical products manufacturing and chemical-related industries in the natural resources such as oil and gas, mining (smelters), and forestry (pulp and paper). Industrial chemical product shipments were Can\$53B in 2014 of which Can\$35.5B were exports – putting this keystone industry sector as the second largest exporter among all Canadian manufacturing industries. The industry employs 80,000 people directly and supports almost 485,000 jobs in Canada. In 2015, Canada's oil reserves estimation was 3.9 B barrels and the industry supports 425,000 jobs across Canada. Mining contributed Can\$56 B to Canada's GDP in 2015 and directly supports 373,000 jobs. Forestry product sales of pulp and paper and manufactured wood products were Can\$17.6 B in 2015 with 235,000 employees across Canada.

Consequently, chemical research is strongly supported in Canada with funding by a number of government agencies including the Natural Sciences and Engineering Council (NSERC), the Canadian Institutes of Health Research (CIHR), the Canada Foundation for Innovation (CFI), the Canada Research Chairs (CRC) and the Canada Excellence Research Chairs (CERC). These organizations encourage collaboration and interdisciplinary research, and promote research in collaboration between scientists in academia, industry and government. The impact of Canadians on the discipline of chemistry is evident in the broad spectrum of published chemical research from Canada, the visibility of Canadians as plenary speakers at international conferences and 8 Canadians have been awarded the Nobel Prize for Chemistry (Smith, Marcus, Altman, Polanyi, Taube, Herzberg, Glauque, Rutherford).



IUPAC GA & WCC in Canada



Canada has hosted the IUPAC GA & WCC twice (1981 in Vancouver, 2003 in Ottawa) with great success. The locations of the IUPAC GA & WCC since 2003 are summarized in the table and map below, illustrating that 2021 is an appropriate time for the IUPAC GA & WCC to return to Canada and North America.

GA	Year	City	Country	Continent
42 nd	2003	Ottawa	Canada	North America
43 rd	2005	Beijing	China	Asia
44 th	2007	Torino	Italy	Europe
45 th	2009	Glasgow	United Kingdom	Europe
46 th	2011	San Juan	Puerto Rico	North America
47 th	2013	Istanbul	Turkey	Europe
48 th	2015	Busan	Korea	Asia
49 th	2017	São Paulo	Brazil	South America
50 th	2019	Paris	France	Europe



National Research Council

NRC-CNRC NRC is the Government of Canada's premier research organization supporting industrial innovation, the advancement of knowledge, technology development and fulfilling government mandates.

The NRC plays a unique role in Canada, undertaking large-scale mission-oriented research and development programs. NRC provides a national network of experts and facilities, and its world-class research capacity in diverse areas of engineering, life sciences, quantum technology, metrology, astronomy, and emerging and disruptive technologies, makes the organization a wealth of resources and knowledge. The NRC celebrated a hundred years of science excellence in 2016, and has been a pillar of federal science and support for innovation. NRC has continually made beneficial contributions to the needs and challenges of Canadians decade after decade.

Throughout the 20th century, the NRC provided fertile ground for many Nobel Prize-winning ideas, and to date, a dozen Nobel laureates have spent most or part of their careers at NRC.



National Research Council
Canada

Conseil national de recherches
Canada

President

Président

NRC-CNRC

23 February 2017

Professor Richard Hartshorn
IUPAC Secretary General
IUPAC Secretariat
PO Box 13757
Research Triangle Park, North Carolina
27709-3757
USA

Dear Professor Hartshorn:

As President of the National Research Council of Canada (NRC), Canada's national adhering body to the International Council of Science (ICSU) and the International Union for Pure and Applied Chemistry (IUPAC), I would like to join my support to the Canadian Society for Chemistry (CSC) and the Canadian National Committee for IUPAC (IUPAC-CNC) in their bid for the 51st IUPAC General Assembly and the 48th World Chemistry Congress in Montreal.

The opportunity to host this conference that brings together the world's top chemists presents a great opportunity for Canada and Canadian chemists. As President of NRC, I am delighted that IUPAC is considering the CSC and the IUPAC-CNC's intention to host this prestigious event. I am confident that the congress organizers will ensure the delegates enjoy a successful and productive conference.

Sincerely,

Iain Stewart

cc: Dr. Lynn Soby, Executive Director, IUPAC
Dr. Shan Zou Secretary, CNC, IUPAC

Ottawa, Ontario
K1A 0R6
613-993-2024
Docufax: 613-957-8850

Canada



Canadian Society for Chemistry



Canadian Society for Chemistry | *For Our Future*

The Canadian Society for Chemistry (CSC) is a national, not-for-profit, professional association that unites chemistry students and professionals who work in industry, academia and government. The CSC is recognized by the International Union of Pure and Applied Chemistry (IUPAC) as the technical organization for Canadian chemists. The CSC is one of the three Constituent Societies of the Chemical Institute of Canada (CIC), along with the Canadian Society for Chemical Engineering (CSChE) and the Canadian Society for Chemical Technology (CSCT).

The organizations are governed and funded by the more than 5000 members, are managed by a dedicated office of 12 staff, located in Ottawa, and administer the 17 technical divisions listed below:

- Analytical Chemistry
- Biotechnology
- Catalysis
- Energy
- Inorganic Chemistry
- Materials Chemistry
- Process Safety Management
- Rubber Chemistry
- Systems and Control
- Biological and Medicinal Chemistry
- Canadian Green Chemistry and Engineering Network
- Chemistry Education
- Environment
- Macromolecular Science and Engineering
- Organic Chemistry
- Physical, Theoretical and Computational Chemistry
- Surface Science

The CSC organizes the Canadian Chemistry Conference and Exhibition, Canada's premier annual conference for the chemical sciences, which will celebrate the 100th edition in May 2017 in Toronto. The CSC and members of the CSC and the CNC-IUPAC have an excellent record for organizing international conferences with impressive scientific programs. Examples include: IUPAC Congress and General Assembly 2003, Ottawa (3,000 participants, 40+ countries), World Congress of Chemical Engineering 2009 (2,800 participants, from 60+ countries), and Canadian Chemistry Conference 2011 (2,967 participants, 40+ countries). CSC is also a Founding Society of the highly successful Pacificchem Congress that had 16,000 delegates in December 2015.



Canadian Society for Chemistry | *For Our Future*
Société canadienne de chimie | *Pour notre avenir*

March 6, 2017

Dr. Lynn Soby
Executive Director
International Union of Pure and Applied Chemistry
PO Box 13757
Research Triangle Park, NC 27709-3757, USA

Dear Dr. Soby:

The Canadian Society for Chemistry (CSC) is pleased to be working with the Canadian National Committee for IUPAC (CNC-IUPAC) to submit a bid to host the 51st International Union of Pure and Applied Chemistry (IUPAC) General Assembly and 48th World Chemistry Congress (GA&WCC) in either of the years 2021 or 2023 in Montreal, Quebec.

CSC is a national, not-for-profit, professional association that unites chemistry students and professionals who work in industry, academia and government. The CSC is recognized by the International Union of Pure and Applied Chemistry (IUPAC) as the technical organization for Canadian chemists. The CSC is one of the three constituent societies of the Chemical Institute of Canada (CIC), along with the Canadian Society for Chemical Engineering (CSChE) and the Canadian Society for Chemical Technology (CSCT). It is governed and funded by its membership.

CSC is committed to leading advances in the chemical sciences in Canada. The Society aims to connect academia, industry and government through conferences, publications and their many programs, they provide opportunities for Canadians to become international players in scientific research through their partnerships with Canadian chemical trade associations, and international partnerships. The CSC hosts its own annual highly successful conference ranging from 2,500 to over 3,000 participants per year. Should we be successful in securing the IUPAC congress in either 2021 or 2023, the CSC conference would be held in conjunction with the congress and we will use our influence in the Canadian science and chemistry sectors to ensure the success of the combined event.

The members of the CSC look forward to participating in the 51st International Union of Pure and Applied Chemistry (IUPAC) General Assembly and 48th World Chemistry Congress (GA&WCC) and I strongly recommend your committee consider Canada as your host for 2021 or 2023.

Sincerely,

Rui Resendes
President
Canadian Society for Chemistry



Canada and IUPAC



Canadians interact with IUPAC in a number of ways. The formal relationship is through the National Research Council, representing the NAO for Canada. The Canadian National Committee for IUPAC, CNC-IUPAC was formed in 1993 in an agreement between NRC and CSC, who share responsibility for appointing committee members and maintaining a balanced representation from university, industry, government and scientific disciplines. The main responsibilities of CNC-IUPAC are to advise NRC on Canadian participation in and activities of IUPAC, to promote within IUPAC activities that are of particular importance and relevance to Canada and to inform the Canadian chemical community of IUPAC activities and promote these activities to ensure maximum benefit to Canada.

A number of Canadians have a more direct relationship with IUPAC through their participation as members of the IUPAC Bureau, IUPAC Committees and IUPAC Divisions. The current Canadian representatives on these bodies are summarized in the table below.

Division or Committee	Representative	Position
Bureau	Russell Boyd	Member
Division I - Physical and Biophysical Chemistry	Frank van Veggel	Titular Member
Division II - Inorganic Chemistry	Michael Weiser	Titular Member
Division III - Organic and Biomolecular Chemistry	John Honek	Associate Member
Division IV - Polymer	Robin Hutchinson	Associate Member
Division V - Analytical Chemistry	Zoltan Mester	Division Secretary
Division VI - Chemistry and the Environment	Annemieke Farenhorst	National Representative
Division VII - Chemistry and Human Health	Linda Johnston	Titular Member
Division VIII - Chemical Nomenclature and Structure Representation	Todd Lowary	National Representative
Committee on Chemistry Education	Ian Sydney Butler	National Representative
ChemRAWN Committee	Gary von Loon	Division Secretary
COCl Committee	Bernard West	Chair, Bureau
COCl Committee	Robert Audette	National Representative
ICTNS Committee	Ron Weir	Chair, Bureau
ICTNS Committee/CIAAW Chair	Juris Meija	Titular Member
Project Committee	Douglas M. Templeton	Chair, Bureau



Collaboration with IUPAC



The national organizing committee will collaborate with the IUPAC Bureau and the IUPAC Office, and will liaise with Executive Director Lynn Soby to develop the plans for the GA and for the structure of the WCC. Specifically, the organizing committee will work with IUPAC to optimize the number of parallel sessions (estimate 25-30 parallel sessions), the total number of sessions, the total number of symposia, the total number of plenary lectures (estimate 8 plenary lectures, including 4 Nobel laureates), the total number of invited lectures, and the selection of speakers to lead the areas.

Young Scientists and Observers



CNC-IUPAC and CSC promote and support young scientists and the GA in Montréal will offer a strong Young Observers program. The CNC-IUPAC established a travel awards program in 1982 to enable young Canadian scientists to present their research at IUPAC-sponsored conferences outside of Canada. When the chosen conference is associated with the GA, the CNC-IUPAC facilitates these young scientists to participate as Young Observers. The program has been very successful and the organisers encourage all IUPAC member countries to consider analogous travel awards programs.



Letters of Support



PRIME MINISTER · PREMIER MINISTRE

March 7, 2017

Dr. Lynn Soby
Executive Director
International Union of Pure and Applied Chemistry (IUPAC)
79 T.W. Alexander Drive
Suite 190, Research Commons Building 4501
Research Triangle Park, NC 27709
U.S.A.

Dear Dr. Soby:

On behalf of the Government of Canada, I am pleased to support Montreal's bid to host the 48th World Chemistry Congress and 51st General Assembly of the International Union of Pure and Applied Chemistry in 2021.

I am delighted that you are considering Canada for this honour, and I am certain every effort will be made to ensure that the delegates have an extremely successful and enjoyable congress here. The City of Montreal would, I am sure, be an excellent host for the members of your organization, and I hope and trust that you will reach a decision in favour of its candidacy.

Please accept my best wishes for a successful event.

Sincerely,

The Rt. Hon. Justin P.J. Trudeau, P.C., M.P.
Prime Minister of Canada



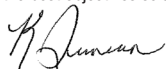
Letters of Support

Original Letters



Canada 

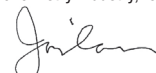
"The connection of diverse perspectives and the exchange of ideas enabled by this event will certainly help to address many important challenges. I see great synergies between the Government of Canada and IUPAC. As Minister of Science, supporting and promoting science is at the heart of my mandate, and science is an essential pillar in our government's strategy to create sustainable economic growth. Canada, I am proud to say, is committed to research excellence, including in chemistry; to policy decisions informed by the best objectives science; and to economic growth that is rooted in sustainability."



The Honourable Kirsty Duncan
Minister of Science
Government of Canada

Canada 

"On behalf of the Government of Canada, I would like to express my full support for the Canadian Society for Chemistry's bid to host this event. I appreciate the efforts of your association to make a bid that could raise the international profile of the Canadian chemistry industry, foster innovation, and inspire the next generation of Canadian chemist."



The Honourable Jim Carr
Minister of Natural Resources
Government of Canada

Canada 

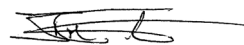
"As the Member of Parliament for the riding of LaSalle-Émard-Verdun and the Parliamentary Secretary to the Minister of Innovation, Science and Economic Development, I am proud to represent a portion of one of Canada and North America's most innovative cities. Montréal has many research centres and institutions of higher learning and is truly a hub of R & D in North America. It is also a top tourist destination and was ranked as the top host city for international events in North America five years in a row. Its multiculturalism is apparent in its unparalleled food offerings, entertainment, and the many festivals that take place throughout the summer. Montréal is as innovative as it is enjoyable to visit."



David Lametti
Member of Parliament
Parliamentary Secretary
Minister of Innovation, Science and Economic Development

Canada 

"Given the direct support provided to CNC-IUPAC by the National Research Council (NRC) of Canada and the committee's strong connection to the Canadian chemical community as a whole, CNC-IUPAC is strong contender to co-host these prestigious international events. This bid is further strengthened by CNC-IUPAC's partnership with the CSC, a highly-respected, national association that unites chemistry students and professionals working in industry, academia and government. Both NRC and CSC have successfully collaborated with the National Sciences and Engineering Research Council of Canada in the past."



B. Mario Pinto
President
Natural Sciences and Engineering Research Council of Canada

Québec 

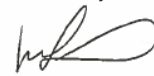
"Québec would be proud to host the IUPAC-2021 48th World Chemistry Congress and 51st General Assembly and to welcome all the participants to Montréal. With its sixty-or-so international organizations and a variety of annual events and festivals, Montréal, a city where over 160 languages are spoken, is one of North America's most cosmopolitan venues. Montréal's convention centre and the many surrounding hotels, located in the heart of Montréal and its international district, can offer you exceptionally fine hospitality. A vast array of nearby theatres, movie houses, and gourmet restaurants await events attendees, as does Vieux-Montréal, where they can enjoy Montréal's joie de vivre in perfect safety."



Philippe Couillard
Premier of Québec

Québec 

"As Chief Scientist of Québec and President of the Quebec Research Funds, I strongly support the choice of Montréal for such event. In fact, Montréal has become an international city gathering private companies, foundations, international organizations from all over the world. Historically bilingual, open to communities from all over the world, with French and English well known universities, Montréal has become a model in the way of thinking a city of the 21st Century."



Rémi Quirion
Chief Scientist of Québec



Letters of Support

Original Letters



Québec



"As Québec's Deputy Minister of Tourism, I am delighted that your organization is currently considering Montréal's candidacy to host IUPAC 2021, the 48th World Chemistry Congress and IUPAC's 51st General Assembly, to be held in 2021. On behalf of Tourisme Québec, I want to assure you of our wholehearted support for this candidacy. Montréal is Canada's second most populous city. Celebrated for its diversity, its social and ethnocultural harmony and its expression of Québec culture, Montréal is a key to Québec's interface with the world."

Patrick Dubé
Deputy Minister of Tourism Québec



"On behalf of the Canadian Council of University Chemistry Chairpersons (CCUCC), I am very pleased to support the Canadian National Committee for IUPAC (CNC-IUPAC) and the Canadian Society for Chemistry (CSC) in their bid to host the 51st International Union of Pure and Applied Chemistry (IUPAC) General Assembly and 48th World Chemistry Congress (GA&WCC) in either of the years 2021 or 2023 in Montréal, Québec. The National Research Council of Canada (NRC) is the Government of Canada's premier research and technology organization. CNC—IUPAC is part of the NRC and many of its participants are members of the CSC. CNC—IUPAC is responsible for advising the Canadian chemical community of IUPAC activities to ensure maximum benefit to Canada, and informing and promoting IUPAC activities that are of particular importance to Canada. Canadian chemists and chemical engineers are heavily involved in IUPAC Division and Standing Committee project work and Canadian chemical industries are also well connected with IUPAC activities."

David Cramb
Professor and Head, Chemistry
University of Calgary



"McGill Chemistry has had longstanding leadership and participation roles in the Canadian Society for Chemistry and its excellent national conferences that host up to 2,500 academic and industrial researchers each year. McGill participants invariably report that the CSC is among the best organized and most international of all the conferences that they attend each year. Montréal is considered one of the top cities to visit in the world, with its diverse cultures, excellent cuisine, superb record for public safety, and overall friendliness. All of these factors, and that it has recently been rated the top city in the world for student experience, make Montréal a compelling choice to host the IUPAC General Assembly and World Chemistry Congress."

Suzanne Fortier
Principal and Vice-Chancellor
McGill University

Montréal



"It is with pleasure and pride that I support the Ville de Montréal's candidacy to host the IUPAC-2021 48th World Chemistry Congress and 51st General Assembly in 2021. Founded 375 years ago, Montréal is situated at a crossroads of American and European influences that have given it a unique personality within North America. It is a city with a dynamic environment and a healthy quality of life that enjoys an outstanding reputation for its artistic creativity, its culinary excellence and the warm welcome it extends to visitors. Moreover, I would like to highlight that Montréal is a knowledge-based city and a major university centre, with two French-language and two English-language universities. Montréal is well-known for celebrating and showcasing science and for supporting creative thinking. Your congress and general assembly would shine in this environment!"

Denis Coderre
Mayor of Montréal



"We would be honoured to welcome the 48th World Chemistry Congress and 51st General Assembly of the International Union of Pure and Applied Chemistry in 2021 to Montréal and we know that our city and our convention centre can take your event to new heights of success. At the Palais des congrès de Montréal convention centre, we have been going the extra mile for our clients for over 30 years, bringing a vast range of events to life, from the early planning stages until the last participant leaves. Our clients often tell us how much they appreciate our hardwork, our attention to detail, and our passion and creativity. This is what we strive to bring to each and every event at the Palais des congrès."

Raymond Larivée
President and Chief Executive Officer
Palais des congrès de Montréal



"Montréal is the perfect place to hold your congress, with a thriving life sciences sector and a dynamic academic and scientific community. Our city has 11 universities and institutions of higher learning, and ranks first in Canada for university research as well as for R&D investments and research centres in the life sciences sector. Montréal is also renowned as a thriving hub of creativity and innovation, making it the ideal setting for your attendees to expand on their training, share knowledge and enjoy collegial encounters."

Yves Lalumière
President and Chief Executive Officer
Tourisme Montréal



OVERVIEW OF THE CONGRESS



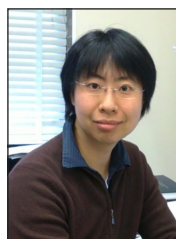
Organizing Committee



ORGANIZING COMMITTEE CHAIR Neil Burford

Professor and Chair of the Department of Chemistry,
University of Victoria and Chair of CNC-IUPAC
nburford@uvic.ca

Neil Burford obtained a BSc honours from the University of Wales, Cardiff and a PhD from the University of Calgary. Following his post-doctoral studies at the University of Alberta and at the University of New Brunswick, he was appointed assistant professor of chemistry at Dalhousie University in 1987, Harry Shirreff Professor of Chemical Research in 2000 and Canada Research Chair Tier I in 2001. Burford was appointed chair of the Department at Dalhousie University in 2008 and in 2011, he moved to the University of Victoria as professor and chair of the Department. He has served as the chair of the CSC inorganic chemistry division, as CSC director of subject divisions and as CSC president and is currently the chair of the Canadian National Committee on IUPAC (CNC/IUPAC).



GENERAL ASSEMBLY COORDINATOR Shan Zou

Research Officer and Team Leader, Measurement Science and Standards (MSS), National Research Council and Secretary of CNC-IUPAC and Professor Carleton University
shan.zou@nrc-cnrc.gc.ca

Dr. Shan Zou is the Team Leader for the Nanoscale Measurement Discipline in the Measurement Science and Standards Portfolio at the National Research Council Canada (NRC). She obtained her PhD at the University of Twente (2005) and joined NRC as a Research Officer in 2007. Her research interests include molecular-level visualization, sensing, manipulation and control of supramolecular assemblies, and polymeric materials on the nanoscale using self-assembly and atomic force microscopy based platform. Recently, she focuses on the development of integrated multimodal techniques for quantitative detection of mechanical properties of nanomaterials and cellular mechanical responses to drug treatments, as well as nanomaterial risk assessment.



CONGRESS PROGRAM CHAIR Bruce Lennox

Tomlinson Professor of Chemistry and Dean of Science,
McGill University
bruce.lennox@mcgill.ca

Bruce Lennox is a physical organic chemist whose research activities focus on nanomaterials, sensors, and interfacial chemistry. He obtained his BSc, MSc, and PhD degrees from the University of Toronto. He began his academic career at McGill in 1987 after a post doctoral Fellowship at Imperial College in London, UK. In addition to traditional courses, Lennox has also been involved in the development of new courses that cut across the traditional sub-disciplines of chemistry. Courses in advanced materials, nanoscience, and biological chemistry have resulted from this “horizontal” perspective of presenting advances and adventures in chemistry. His ongoing research involves the study of nanoparticles and ultrathin organic films. This research has led to a number of successful collaborations with physicists, engineers, pharmacologists, and neuroscientists. He was appointed Tomlinson Professor of Chemistry in 2004 and has served as chair of McGill’s Department of Chemistry. He served as chair of the NSERC Discovery Grant Chemistry Evaluation Group and as director of the NSERC CREATE in Neuroengineering. He served as president of the Canadian Society for Chemistry in 2009–2010 and CIC chair from 2014–2015. Lennox was elected as a Fellow of the Royal Society of Chemistry in 2010, the Royal Society of Canada in 2012 and the CIC in 2013.



TECHNICAL PROGRAM CO-CHAIR Jeremy Melanson

Research Officer and Team Leader, Measurement Science and Standards, National Research Council and Member of CNC-IUPAC
jeremy.melanson@nrc-cnrc.gc.ca

Jeremy Melanson received his B.Sc. from Dalhousie University in 1998 and his Ph.D. degree in Analytical Chemistry from the University of Alberta in 2002. Following the completion of an NSERC postdoctoral fellowship at the Swiss Federal Institute of Technology (ETH Zurich), he joined the National Research Council Canada in Halifax as a Research Associate in the Proteomics Technology Development group. In 2006, he joined the NRC Biotoxins group and Certified Reference Materials Program in Halifax as a Research Officer. Jeremy then moved to the NRC Measurement Science and Standards portfolio in Ottawa in 2013, and is currently the Team Leader for Organic Chemical Metrology. His interests include the development of quantitative methods for organic and biological molecules using liquid chromatography – mass spectrometry and nuclear magnetic resonance spectroscopy.



Organizing Committee



TECHNICAL PROGRAM CO-CHAIR

Kim Baines

President, Canadian Society for Chemistry 2017-18

Professor of Chemistry, Western University

kbaines2@uwo.ca

Kim Baines received her BSc from St. Mary's University in Halifax and her PhD from the University of Toronto. She then spent one year as an NSERC postdoctoral fellow at the University of Dortmund, Germany. She joined the University of Western Ontario in 1988 where she is now Professor of Chemistry and Assistant Dean (International) for the Faculty of Science. She was awarded the inaugural J.C. Polanyi Prize for Chemistry from the Government of Ontario in 1988, the Clara Benson Award from the Canadian Society of Chemistry in 2002, the Florence Bucke Prize for Science from Western in 2004, a Humboldt Research Award from the Alexander von Humboldt Foundation in Germany in 2015 and the Montreal Medal from the Chemical Institute of Canada in 2016. She has served as Chair of the Department of Chemistry at Western, Chair of the Canadian Council of University Chemistry Chairs, as Group Chair for the NSERC Chemistry Evaluation Group and on the Canadian Society of Chemistry Board of Directors where she was Director of Conferences.



MARKETING

Bernadette Lockyer

Director of Communications and Marketing for the

Chemical Institute of Canada

blockyer@cheminst.ca

Bernadette Lockyer has extensive experience in association management working with the Chemical Institute of Canada, the Canadian Dental Association and the Canadian Real Estate Association. Her focus has been in marketing and convention management. She has successfully developed marketing and communications plans designed to enhance awareness and improve membership, sponsor contributions, and convention attendance by delegates and exhibitors. She was the Canadian representative to the very successful International Dental Congress 2005 in Montréal an event which attracted 15,000 people. Bernadette attended the University of Ottawa and is bilingual.



CSC REPRESENTATIVE

Roland Andersson

Executive Director of the Chemical Institute of Canada

and Ex-Officio Member of CNC-IUPAC

randersson@cheminst.ca

Roland Andersson is the Executive Director of the Chemical Institute of Canada (CIC). Mr. Andersson graduated from the University of Winnipeg with a Bachelor of Science degree in chemistry. He has over 30 years management experience in the chemical field acquired through increased management responsibilities in chemical plant operations, industrial research and development, marketing, and administration; in both chemical manufacturing companies and non-profit chemical associations. He previously served on the board of the Canadian Manufacturers of Chemical Specialties Association (CMCS) for six years including his term as chair. He is currently on the boards of the Society of Chemical Industry (SCI) Canada Section and the World Chemical Engineering Council (WCEC).



FINANCE

Joan Kingston

Director of Finance and Administration

for the Chemical Institute of Canada

jkingston@cheminst.ca

Joan Kingston has over 20 years' experience in managing the annual national conferences of the Chemical Institute of Canada, specifically the finances and logistics. She started her career with an international chartered accounting firm, Deloitte, Haskins & Sells and then became Comptroller of the Canadian Soccer Association. Over the past 20 years she has created the budgets and managed the finances for the Chemical Institute of Canada, the Canadian Society for Chemistry, the Canadian Society for Chemical Engineering and the Canadian Society for Technology.



Thematic Program Chairs

Chemistry for Health:

Professor Joelle Pelletier

Co-director, PROTEO
Professor, Chemistry
Adjunct Professor Biochemistry
Université de Montréal, Montréal

Chemistry for Energy:

Doctor Gregory J. Smallwood

Principal Research Officer and Program Leader
Measurement Science and Standards
National Research Council Canada, Ottawa

Chemistry for Sustainability:

Professor Chao-Jun (CJ) Li, FRSC, FRS

Professor (E.B. Eddy Chair) Chemistry
Canada Research Chair (Tier I) in Green/Organic Chemistry
McGill University, Montréal

Chemistry for Society:

Doctor Juris Meija

Research Officer
Measurement Science and Standards
National Research Council Canada, Ottawa

Chemistry at the Frontiers:

Professor Mark MacLachlan

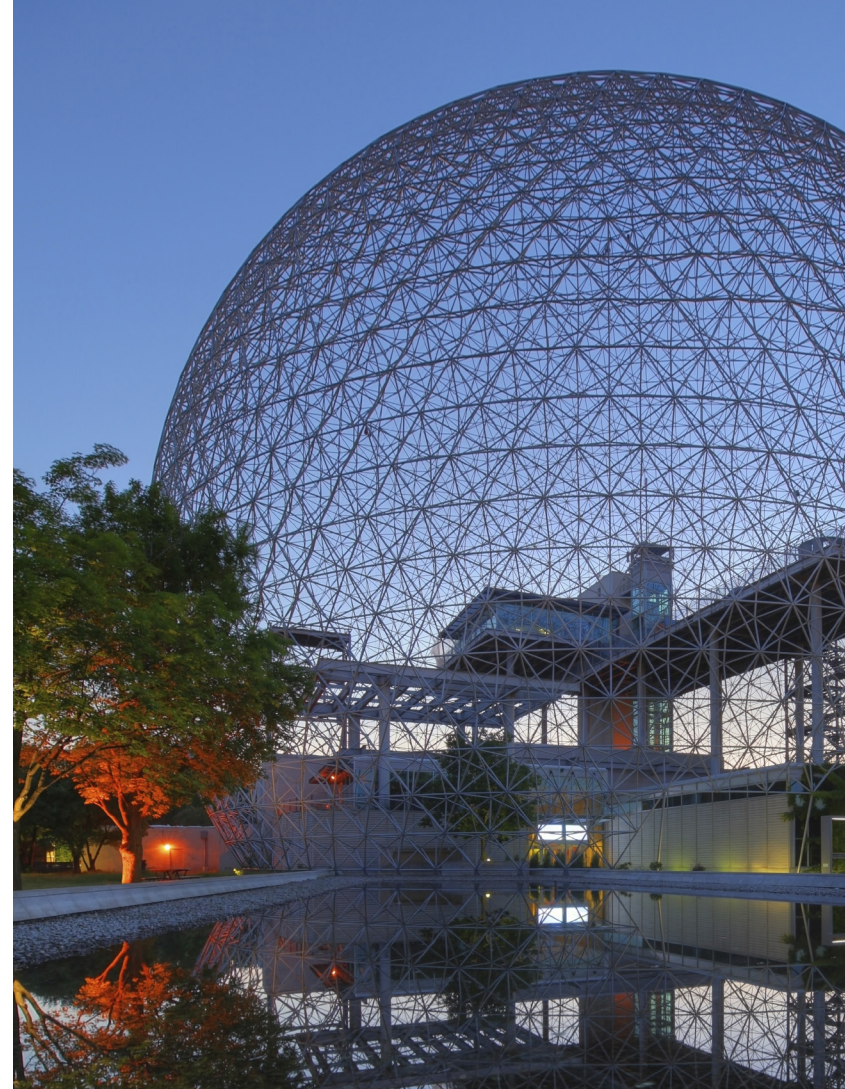
Director, NanoMat
Professor, Chemistry
Associate Dean of Research & Graduate Studies
Faculty of Science
University of British Columbia, Vancouver



Preliminary Budget

REVENUE	Number of participants	Can\$	US\$*	Budget in Can\$
Registration				
General Participants	750	\$ 1,000	\$ 750	\$ 750,000
IUPAC Affiliates	200	\$ 800	\$ 600	\$ 160,000
Host Country Society Members	800	\$ 575	\$ 430	\$ 460,000
IUPAC Members and Delegates	250	\$ 500	\$ 375	\$ 125,000
Student Participants	1000	\$ 300	\$ 225	\$ 300,000
	3000			
Bureau Members - Complimentary	32	\$ -		-
Accompanying Person	35	\$ 50	\$ 38	\$ 1,750
Total Registration Revenue				\$ 1,796,750
Exhibition				\$ 178,750
Corporate Sponsorships				\$ 147,500
Tourism Montréal & Montréal Convention Center Support				\$ 308,500
Other Revenue				\$ 35,000
TOTAL REVENUE				\$ 2,466,500
EXPENDITURES				
Program/Speaker Support				\$ 650,000
Food and Beverage				\$ 350,000
Registration Services				\$ 75,000
Exhibition				\$ 55,000
Facility & Audio Visual				\$ 560,000
Other Expenses				\$ 215,000
TOTAL EXPENDITURE BEFORE CONTINGENCY				\$ 1,905,000
20% Contingency				\$ 381,000
TOTAL EXPENDITURE				\$ 2,286,000
NET SURPLUS				\$ 180,500

*Bank of Canada, on February 27, 2017, 1.00 Canadian Dollar(s) = 0.75 U.S. dollar(s).



CANADIAN SALES TAX REBATE PROGRAM

The Canadian sales tax exposure for an association organizing a foreign convention is very minimal when the proper conditions are met.

Foreign conventions are eligible for a tax rebate if 75% of the convention delegates reside outside of Canada and the head office of the organization is located outside Canada. During the year following the event, organizers can claim 100% of the GST (5%) and QST (9.75%) paid on convention facilities and other convention related supplies, as well as 50% of the GST and QST paid on convention related F&B costs.

For more information, see the [Canada Revenue Agency](#) website.

[web link](#)

Canada



Accommodations

A LAND OF PLENTY

Summary Chart 

WALK TO THE PALAIS

	Hotel	Walking Time
Four Star Hotels		
1	Hotel InterContinental Montréal*	2 min
2	Embassy Suites Montréal	2 min
3	Westin Montréal*	2 min
4	Holiday Inn Montréal Downtown	2 min
5	Hyatt Regency*	8 min
6	Hotel Monville	4 min
Three Star Hotels		
7	Hotel Dauphin Montréal	4 min
8	Hotel Travelodge Montréal	6 min
9	Hotel Zero 1	8 min

* Linked directly to the Palais via the Underground Pedestrian Network

2021 Average Daily Room Rates are :
US\$204 or Can\$273

Starting at : US\$152 or Can\$203
1,380 Rooms on Peak Night






24,000 ROOMS IN THE CITY

14,000 ROOMS IN DOWNTOWN MONTRÉAL

4,000 ROOMS LINKED TO THE PALAIS



-  METRO AROUND THE PALAIS
-  TRAIN STATION NEAR THE PALAIS
-  BIXI BIKES AROUND THE PALAIS

PALAIS DES CONGRÈS DE MONTRÉAL



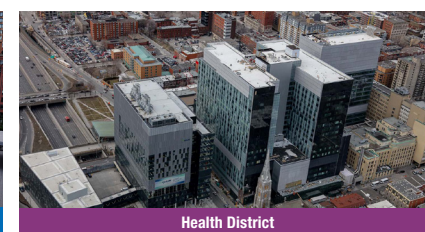
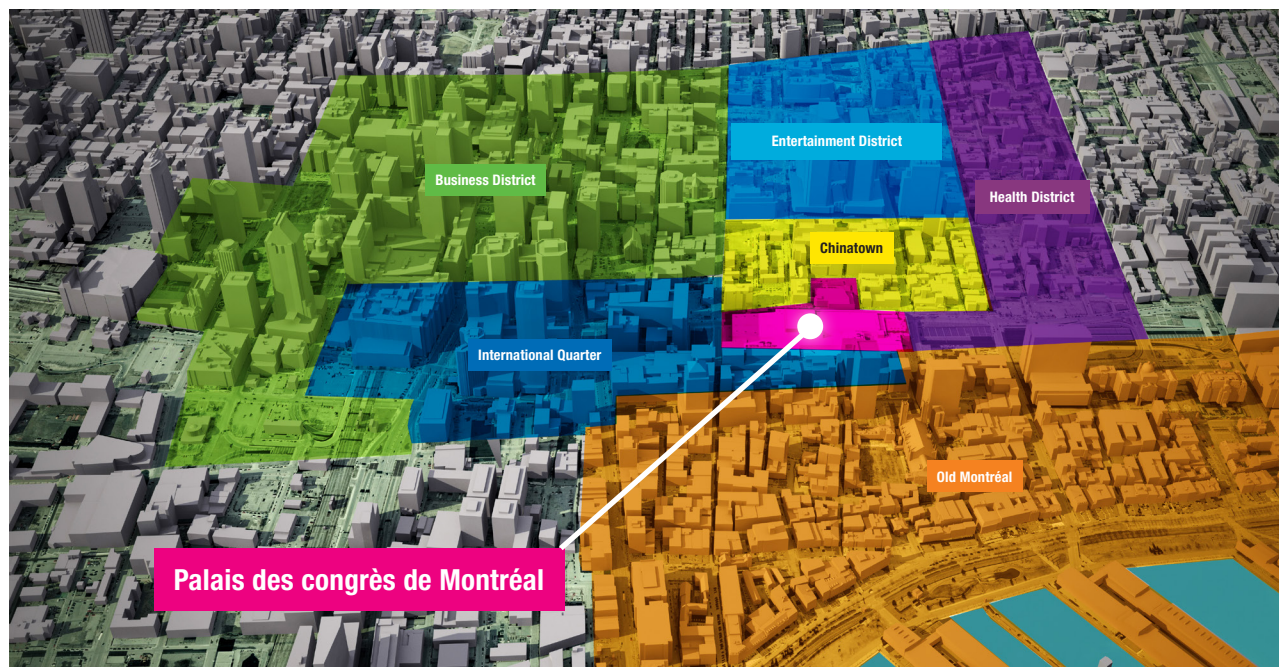
Downtown Location

AT THE NEXUS OF THE ACTION

The Palais des congrès de Montréal is strategically located in the downtown core of the city, connecting the Business District, the International Quarter, the Entertainment District, Health District, Chinatown and Old Montréal.

Only 20 minutes from the city's international airport, the Palais is close to 14,000 hotel rooms and linked directly to 4,000 rooms through the city's Underground Pedestrian Network.

It is within walking distance of Old Montréal's heritage attractions and the St. Lawrence River as well as a great number of boutiques, department stores, museums, theatres, art galleries, bars and restaurants.



Facility

DESIGNED TO MEET YOUR NEEDS

A TOTAL OF 51,280 M² (551,520 SQ. FT.) OF FLEXIBLE RENTAL SPACE

The Palais offers modern, sophisticated, and flexible facilities, equipped with powerful event technologies and featuring abundant natural light.

As soon as you enter the building, you can feel the difference. Where else can you find a forest of 52 pink trees to hold an event? This Palais landmark created by Claude Cormier, one of Canada's most prominent landscape architect, is a unique reception or cocktail area. Also at the street level (Level 1), the Shopping Promenade is a direct link to the city's underground pedestrian network and subway system. Visitors are also able to enjoy free high-speed Wi-Fi everywhere on Level 1.

On the upper levels, you will find extremely versatile spaces suitable for any kind of activity. Organize your event on Level 2, presenting most functional exhibition venues including one of Canada's largest columnless halls. Level 5 offers 63 meeting rooms all located on the same level allowing for the free flow of delegates. This level accommodates up to 10,000 people thanks to wide corridors and large public areas.

On Level 7, you will find the ideal space to create a unique event, both indoors and out. For a gala dinner with a panoramic view of downtown Montréal or a reception on one of our terraces, we can help you select the space most suited to your needs.



Lipstick Forest



51,280 m² (551,520 sq. ft.) of rental space including:

– 113 rooms and venues		
– Exhibition venues:	46,347 m ²	(498,874 sq. ft.)
– Meeting rooms:	33,638 m ²	(362,077 sq. ft.)
– Reception rooms:	50,535 m ²	(543,954 sq. ft.)
– VIP and Board rooms:	530 m ²	(5,705 sq. ft.)
– Ballrooms (3):	10,688 m ²	(115,040 sq. ft.)
– Terraces (4):	4,509 m ²	(48,537 sq. ft.)
– Offices:	1,233 m ²	(13,271 sq. ft.)



Experience and Expertise

AN ENLIGHTENED CHOICE

FOR OVER 30 YEARS, THE PALAIS DES CONGRÈS DE MONTRÉAL HAS HOSTED OVER 6,000 EVENTS, MORE THAN 15 MILLION VISITORS AND HAS BUILT A REPUTATION FOR EXCELLENCE THE WORLD OVER. OUR TEAM OF HIGHLY EXPERIENCED PROFESSIONALS KEEPS TRACK OF THE SMALLEST DETAILS AND THRIVES ON FINDING SOLUTIONS TO ALL KINDS OF SITUATIONS.



The Palais des congrès de Montréal is a celebration of form and function rendered in a mix of coloured glass and stone. The city and the Palais are as one, thanks to a multicoloured facade creating an interplay of light and color inside and out, much like a stained glass window.

Choosing the Palais for your event means choosing a facility with a festive and creative environment *à la Montréal*.

Your event will be entrusted to one of our experienced managers who will work with a team of seasoned professionals, all committed to meeting your needs, to oversee the coordination, general planning and production follow-up of your event. Together, they will offer a truly personalized approach and go the extra mile to make your event a success.

“ What made the Palais outstanding from a planner's perspective was the Palais staff. The convention services team, catering, and in-house audiovisual personnel (to name just a few departments) were exceptional. Everyone I encountered was diligent, responsive, creative, cooperative – far and away, the BEST staff with whom I have worked. ”

Suzanne Dunbar

(AIHA) American Industrial Hygiene Association



AWARDS AND RECOGNITION



ICCA

Number one host city in North America for international conventions in 2012 and 2013



UIA

Number one city in the Americas for international events in 2011, 2012, 2013, 2014 and 2015.



**AIPC
APEX AWARD**

Finalist in 2010, 2012 and 2014 for the APEX Award for World's Best Convention Centre



DSE
DIGITAL SIGNAGE EXPO

2014 DSE Gold APEX Content Award Best Content - Event Venues



**DIGITAL
screenmedia
ASSOCIATION**

First prize at the DSA Awards in 2014, in the Best Government/Non-Profit Digital Signage category



**BOMA
BEST**

Environmental Building Certification Level 3



THE CITY OF MONTRÉAL

NUMBER ONE HOST CITY IN THE AMERICAS FOR INTERNATIONAL
EVENTS FOR THE 5TH STRAIGHT YEAR*

Transportation

CLOSER THAN YOU MAY THINK

SO ACCESSIBLE. SO EFFICIENT. SO CONNECTED. SO SAFE.

A leading host city in North America, Montréal is a first-class convention destination. It has all the right ingredients to ensure success of any international gathering. Visitors appreciate the convenience of Montréal–Trudeau International Airport, only 20 minutes away from 14,000 downtown hotel rooms and the Palais des congrès de Montréal.

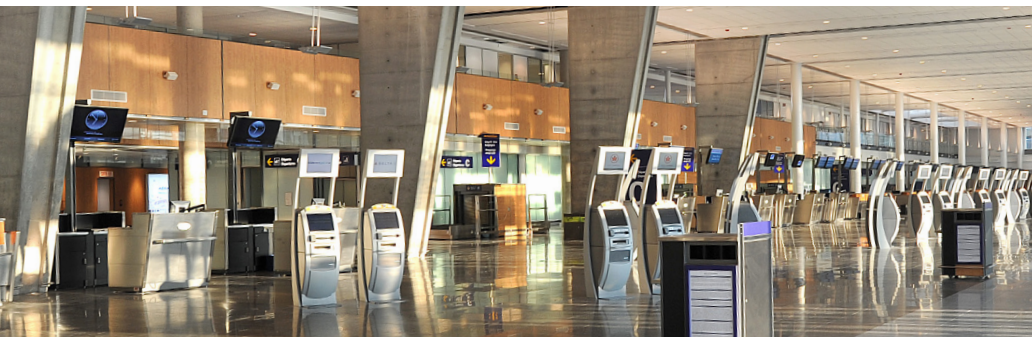
A MAJOR HUB FOR AIR TRAFFIC

Some 32 passenger carriers operate regular or seasonal flights out of the Montréal–Trudeau International Airport, carrying 15,5 million passengers yearly. There are direct flights from Montréal–Trudeau to more than 135 destinations including 26 US destinations, 25 European destinations and an Asian destinations (Beijing and Shanghai). Montréal–Trudeau ranks second in Canada for the number of direct flights to major cities and third for passenger traffic. The Bloomberg Businessweek ranks the Montréal–Trudeau airport first in North America for punctuality.

SHUTTLE SERVICE TO /FROM MONTRÉAL-TRUDEAU AIRPORT

The 747–Express bus offers a direct link without transfers between downtown and Montréal–Trudeau Airport. Passenger pick-up is made from eleven stops strategically located downtown and close to main hotels and tourist attractions.

The 747–Express bus route is operational seven days a week, 24 hours a day and every 20 minutes, at a cost of Can\$10.00. This includes a Wi-Fi connection. Taxis and limousines are available on the arrivals level near the central exit, where you will find a dispatcher waiting to assist you. Taxis charge a flat fee of approximately Can\$40.00 from the airport to downtown, while limousines charge a flat fee of Can\$60.00 per trip.



Flight Frequency

INTERNATIONAL FLIGHTS



Destination	Airport Code	W	Carrier	Flying time*	Destination	Airport Code	W	Carrier	Flying time*	Destination	Airport Code	W	Carrier	Flying time*	
Acapulco, Mexico**	ACA	1	Air Transat	6h 20	Geneva, Switzerland	GVA	5	Air Canada	7h 25	Ponta Delgada, Portugal†	PDL	1	Sata Internacional Airlines	5h 00	
Algiers, Algeria	ALG	4	Air Algérie	7h 50	Holguin, Cuba	HOG	10	Air Canada, Air Transat, Cubana, Sunwing	4h 15	Port-au-Prince, Haiti	PAP	2	Air Canada, Air Transat, CarJet	4h 40	
Amman, Jordan	AMM	2	Royal Jordanian	9h 45	Huatulco, Mexico**	HUX	1	Sunwing	5h 15	Porto, Portugal†	OPO	1	Air Transat	6h 57	
Amsterdam, Netherlands	AMS	7	KLM Royal Dutch Airlines	6h 50	Istanbul, Turkey	IST	3	Air Transat, Turkish Airlines	9h 15	Prague, Czech Republic†	PRG	1	Air Transat	8h 15	
Antigua, Antigua and Barbuda	ANU	1	Air Canada	4h 55	La Ceiba, Honduras**	LCE	1	Sunwing	4h 23	Providenciales, Turks & Caicos**	PLS	2	Air Canada, WestJet	4h 09	
Aruba, Aruba**	AUA	1	Sunwing Airlines	7h 50	La Havane, Cuba	HAV	2	Cubana	4h 10	Puerto Plata, Dominican Republic	POP	10	Air Canada, Air Transat, Sunwing	4h 17	
Athens, Greece†	ATH	4	Air Canada, Air Transat	9h 04	La Romana, Dominican Republic**	LRM	2	Air Transat	4h 15	Puerto Vallarta, Mexico	PVR	4	Air Transat, Sunwing	6h 13	
Barcelona, Spain†	BCN	5	Air Canada, Air Transat	7h 12	Liberia, Costa Rica**	LIR	2	Air Canada, Air Transat, Sunwing	5h 45	Punta Cana, Dominican Republic	PUJ	26	Air Canada, Air Transat, Sunwing, WestJet	4h 31	
Basel-Mulhouse, Switzerland†	BSL	1	Air Transat	7h 00	Lisbonne, Portugal†	LIS	2	Air Transat	6h 30	Rome, Italy†	FCO	12	Air Canada, Air Transat	7h 57	
Beijing, China	PEK	3	Air China	13h 50	London (Gatwick), England†	LGW	1	Air Transat	6h 40	Rio Hato, Panama**	RIH	1	Sunwing	5h 30	
Bordeaux, France†	BOD	2	Air Transat	6h 35	London (Heathrow), England	LHR	13	Air Canada, British Airways	6h 35	Rosau, Honduras**	RTB	1	Air Transat	4h 25	
Bridgetown, Barbados**	BGI	3	Air Canada	5h 10	Lyon, France†	LYS	4	Air Transat	7h 05	Sainte Lucie, Caribbean**	UVF	1	Air Canada, Air Transat	5h 05	
Brussels, Belgium	BRU	6	Air Canada, Air Transat	7h 05	Madrid, Spain†	MAO	1	Air Transat	6h 55	Samana, Dominican Republic	AZS	3	Air Canada, Air Transat	4h 20	
Budapest, Hungary	BUD	1	Air Transat	8h 30	Malaga, Spain	AGP	1	Air Transat	7h 10	San Andres, Colombia**	ADZ	1	Air Transat	5h 10	
Camaguey, Cuba	CMW	3	Air Transat, Cubana, Sunwing, WestJet	4h 15	Managua, Nicaragua**	MGA	1	Air Transat	5h 30	San Jose, Costa Rica**	SJO	1	Air Transat	6h 10	
Cancun, Mexico	CUN	31	Air Canada, Air Transat, Sunwing, WestJet	4h 50	Manzanillo, Cuba**	MZO	1	Sunwing	4h 30	San Jose del Cabo, Mexico†	SJD	1	Sunwing	4h 00	
Cartagena, Colombia**	CTG	1	Air Transat	5h 25	Marseille, France†	MRS	4	Air Transat	7h 18	San Salvador, Bahamas	ZSA	1	Air Canada	3h 02	
Casablanca, Morocco	CMN	6	Royal Air Maroc	6h 50	Mexico, Mexico	MEX	7	Aeromexico	5h 55	Santa Clara, Cuba	SNJ	18	Air Canada, Air Transat, Cubana, Sunwing	4h 00	
Cayo Coco, Cuba	CCC	11	Air Canada, Air Transat, Sunwing	4h 08	Montego Bay, Jamaica	MBJ	9	Air Canada, Air Transat, Sunwing, WestJet	4h 36	Shanghai, China	PVG	3	Air Canada	14h 10	
Cayo Largo del Sur, Cuba	CYO	5	Air Canada, Air Transat, Cubana	4h 20	Munich, Germany	MUC	4	Lufthansa	7h 50	St. Maarten, Netherlands Antilles	SXM	4	Air Transat, Sunwing, WestJet	4h 35	
Cienfuegos, Cuba	CFG	1	Cubana	4h 00	Nantes, France†	NTE	2	Air Transat	6h 30	Nassau, Bahamas**	NAS	1	Air Canada	3h 50	
Cozumel, Mexico	CZM	2	Air Canada, Air Transat	4h 45	Nice, France†	NCE	5	Air Transat	7h 20	Niamey, Niger	NIA	1	Sunwing	4h 00	
Curaçao, Netherlands Antilles**	CUR	1	Air Canada	6h 30	Panama City, Panama	PTY	6	Air Transat, Copa Airlines	6h 00	Paris (Charles-de-Gaulle), France	CDG	26	Air Canada, Air France, Air Transat	6h 44	
Doha, Qatar	DOH	3	Qatar Airways	12h 00	Paris (Orly), France†	ORY	7	Corseair	7h 00	Pointe-à-Pitre, Guadeloupe	PTP	3	Air Canada, Air Transat	4h 40	
Dublin, Ireland†	DUB	1	Air Transat	6h 00	Freeport, Bahamas**	FPO	1	Sunwing	4h 35						
Fort-de-France, Martinique	DFD	3	Air Canada	4h 50											
Frankfurt, Germany	FRA	7	Air Canada, Lufthansa	7h 00											

W = Weekly Departures. * Flight times gate to gate, according to Aéroports de Montréal (www.admtf.com). ** Destination served in winter only. † Destination served in summer only.



Cities with a red dot offer direct flights to Montreal. Consult the complete list above

EVERY YEAR, MORE THAN 35 MILLION PEOPLE VISIT CANADA TO ENJOY THE MANY OPPORTUNITIES OUR COUNTRY HAS TO OFFER.

Depending on where they live, and the reason for their visit, visitors will need to meet certain entry requirements. Meeting planners and event organizers can count on the Canada Border Services Agency (CBSA) to provide the best possible service in helping coordinate the border crossing requirements for their event.

VISA REGULATIONS

American visitors to Canada need a proper identification document (passport, birth certificate, a certificate of citizenship or naturalization, U.S. Permanent Resident Card). Other **international visitors** to Canada need either a **visa** or, an **electronic travel authorization (eTA)**.

What exactly is an electronic Travel Authorization (eTA) and how will it affect you ? www.cic.gc.ca/english/visit/visas.asp

Eligible travellers can apply online for an eTA, simply visit: www.canada.ca/eta



OBTAINING GUIDANCE FROM THE CBSA (CANADA BORDER SERVICES AGENCY)

Working with the CBSA provides organizers with a single point of contact for the Government of Canada to help coordinate the border crossing requirements for their event. The CBSA offers guidance on admissibility requirements, coordination assistance with the ports of entry and collaboration between government agencies.

CBSA coordinators with the International Events and Convention Services Program (IECSP) can access a vast network of Government of Canada departments on behalf of meeting planners or show organizers and will ensure they are aware of all the border requirements related to their event early in their planning process.

To obtain information regarding CBSA regulations on the conditions and procedures for foreign or domestic organizations temporarily importing goods into Canada for a convention, meeting, trade show, exhibition or event, complete the Notice of an International Event, Meeting, Convention or Incentive Travel form, simply visit:

www.cbsa-asfc.gc.ca/services/ie-ei/notice-avis-eng.html



February 27, 2017

Dr. Lynn Soby
Executive Director
IUPAC Secretariat
79 T.W. Alexander Drive
Research Commons Building 4501, Suite 190
Research Triangle Park, NC 27709, USA

Dear Dr. Lynn Soby,

This letter is in response to your request for a Letter of Support with regard to your bid for the IUPAC-2021 48th World Chemistry Congress and 51st General Assembly.

The Canada Border Services Agency (CBSA) appreciates the opportunity to be included as a partner and is pleased to offer our support for this event.

The CBSA's International Events and Convention Services Program (IECSP) serves as the event coordinator's focal point for the preparation, stakeholder awareness and successful delivery of Canadian entry processes for events taking place in Canada. Should your bid be successful, the IECSP will work with the event organizers to provide a clear understanding of admissibility requirements and provide guidance for the facilitative arrival of people and goods to Canada.

We wish you every success in your bid and look forward to contributing to the security and prosperity of your event.

Should you have any questions please do not hesitate to contact us at MES-SEM@cbsa-asfc.gc.ca.

Sincerely,

Ian Donald
National Coordinator
International Events and Convention Services Program
Canada Border Services Agency
191 Laurier Ave. West
Ottawa, Ontario K1A 0L8, Canada

Canada



In and Around Montréal

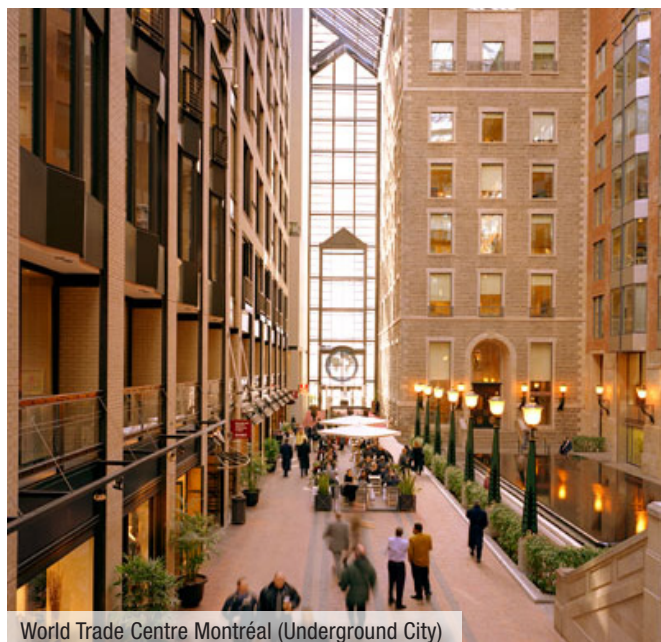
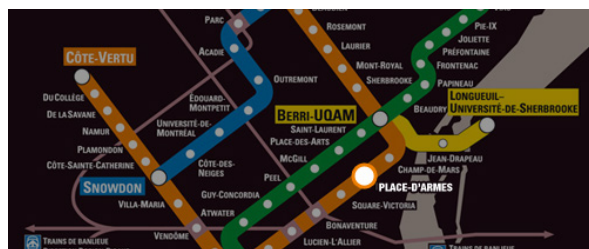
OUTSIDE OR IN THE UNDERGROUND CITY

THESE STREETS WERE MADE FOR WALKING

Safe and clean. Simply a walker's delight. The streets of Montréal are a great way to discover the city and get you from your hotel to the Palais and back, at any time of day or night. In fact, the Palais is within walking distance of 14,000 downtown hotel rooms.

ABOVE AND UNDER GROUND

The Palais is directly linked to 4,000 hotel rooms via a 32 km (20 mile) Underground Pedestrian Network. This clean and brightly-lit network, "Montréal's Underground City," is visited by half a million people daily.



PUBLIC TRANSIT CONNECTIONS MADE EASY

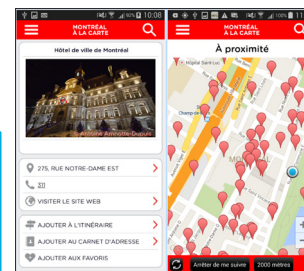
The Palais is located right in the heart of the city, making it easily accessible on foot or by public transit. The Place-d'Armes subway station (Métro) is integrated in the centre and buses take you right to the Palais' front door.

MONTRÉAL À LA CARTE
Montréal à la Carte
Montréal
Montréal à la Carte

Montréal à la carte :
Montréal at a Glance
with a directory of services
in the downtown area

- 80 cultural institutions
 - 100 parks and green spaces
 - 150 parking lots
 - 160 accommodation places
- And more...**

www.ville.montreal.qc.ca/villemarie/



Available on the App Store

ANDROID APP ON Google play



Festivals and Events

CATCHING THE FESTIVAL SPIRIT

THERE'S SOMETHING QUITE SPECIAL ABOUT THE STREETS OF MONTRÉAL. THEY ARE ALIVE AND THEY HOST THE MOST INCREDIBLE CULTURAL AND SPORTING EVENTS IN THE WORLD.

Throughout the year, day and night, crowds by the thousands come together to celebrate in harmony. It's fun, it's safe and it's quite a unique feeling that must be experienced to fully appreciate. Montréal presents an exceptional lineup of all kinds of events, indoors and out. This profusion of festivals is what makes Montréal a world-class destination for culture-seekers.

STAR-STUDED FESTIVALS

The choice of Montréal festivals is almost endless. Montréalers and visitors alike have been enjoying the exceptional lineups of the world-renowned Jazz Fest and the Just for Laughs comedy festival for years. But there's so much more to Montréal as you will find revealed in quaint venues or major outdoor performances.



YEAR-ROUND FESTIVAL FUN

Montréal en lumière High Lights Festival (Culture)	February/March
International Festival of Films on Art	March
Montréal Digital Spring	March / April / May / June
Festival Transamériques (Theatre, Dance)	May / June
Montréal Chamber Music Festival	May / June
Mondial de la bière (Beer Festival)	May / June
Les FrancoFolies de Montréal (Francophone Culture)	June
Montréal Formula One Grand Prix	June
L'International des Feux Loto-Québec (Fireworks)	June / July / August
Festival International de Jazz	June / July
Montréal complètement cirque (Circus Arts)	July
Just for Laughs Festival	July
Zoofest (humor)	July
Festival Nuits d'Afrique (World Music)	July
MEG Montréal Festival (Electronic Dance Music)	July / August
Montréal First Peoples Festival	July / August
Fantasia International Film Festival	July / August
Montréal Fashion and Design Festival	July / August
Divers/Cité	July / August
Osheaga, Music and Arts Festival	August
Jardins de lumière (Garden of Light)	September through October
Festival du Nouveau Cinéma	October
Montréal Ghosts' Halloween Special	October
La Biennale de Montréal (contemporary art)	October through January
Cinemanía French Film Festival	November



Attractions

MUST-SEE SITES



OLD MONTRÉAL



3 minutes walking from the Convention Centre

www.vieux.montreal.qc.ca

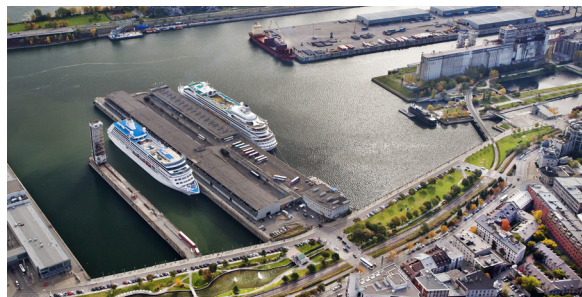


WATERFRONT: VIEUX-PORT



10 minutes walking from the Convention Centre

www.oldportofmontreal.com



MOUNT ROYAL PARK



30 minutes bus and/or subway from the Convention Centre

www.lemontroyal.qc.ca



PARC JEAN DRAPEAU



30 minutes bus and/or subway from the Convention Centre

www.parcjeandrapeau.com



NOTRE-DAME BASILICA



4 minutes walking from the Convention Centre

www.basiliquenddm.org



SAINT JOSEPH'S ORATORY



30 minutes bus or subway from the Convention Centre

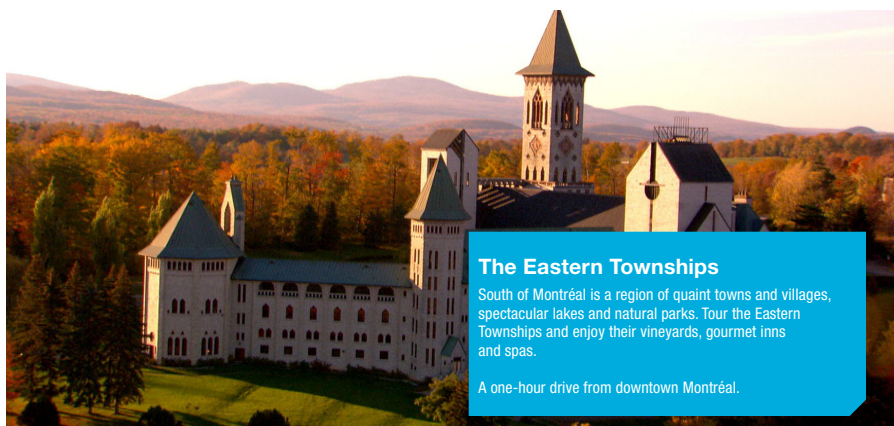
www.saint-joseph.org



Tourism Outside Montréal

DISCOVER CLOSE AND BEAUTIFUL DESTINATIONS

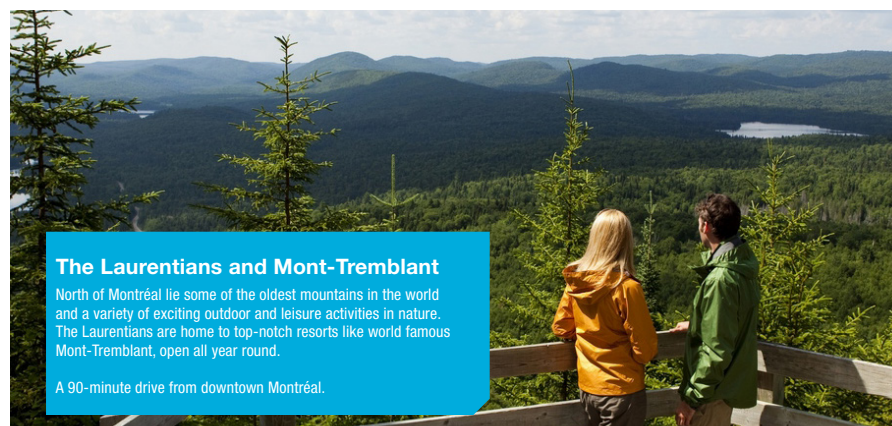
MONTRÉAL IS AN EXCELLENT BASE FOR DAY OR WEEKEND TRIPS. INTERNATIONAL DELEGATES CAN CHOOSE FROM AN INCREDIBLE SELECTION OF PRE AND POST TOURS RIGHT AT MONTRÉAL'S DOORSTEP, FROM EXCITING URBAN CENTRES SUCH AS QUÉBEC CITY, OTTAWA, BOSTON AND NEW YORK, TO THE GREAT QUÉBEC OUTDOORS.



The Eastern Townships

South of Montréal is a region of quaint towns and villages, spectacular lakes and natural parks. Tour the Eastern Townships and enjoy their vineyards, gourmet inns and spas.

A one-hour drive from downtown Montréal.



The Laurentians and Mont-Tremblant

North of Montréal lie some of the oldest mountains in the world and a variety of exciting outdoor and leisure activities in nature. The Laurentians are home to top-notch resorts like world famous Mont-Tremblant, open all year round.

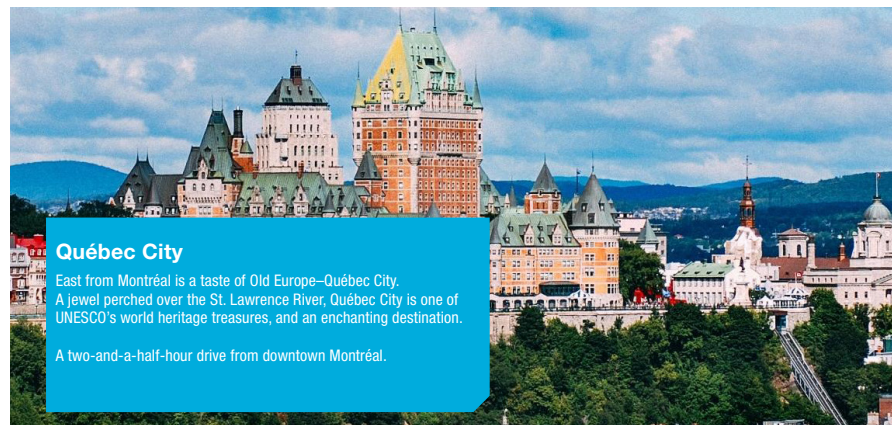
A 90-minute drive from downtown Montréal.



Charlevoix

Renowned for its hospitality and landscapes, the Charlevoix region is famous for its whale-watching cruises. The world's most extensive variety of large marine mammals, great whales and cetaceans like the beluga are here to welcome you.

A three-and-a-half-hour drive from downtown Montréal.



Québec City

East from Montréal is a taste of Old Europe—Québec City. A jewel perched over the St. Lawrence River, Québec City is one of UNESCO's world heritage treasures, and an enchanting destination.

A two-and-a-half-hour drive from downtown Montréal.



TOP REASONS TO CHOOSE

Montréal

TO HOLD THE

IUPAC-2021

48th World Chemistry Congress and 51st General Assembly

August 13th to 20th, 2021

1

MONTRÉAL IS A HUB FOR SCIENTIFIC MEETINGS

- #1 host city in The Americas for international events for five years in a row (Union of International Associations (UIA) ranking)
- Top Canadian city and among Top 10 North American cities for number of research centres
- Home to over 1,500 organizations actively involved in R&D and 200 research centres
- Featuring 11 institutions of higher learning, including four universities

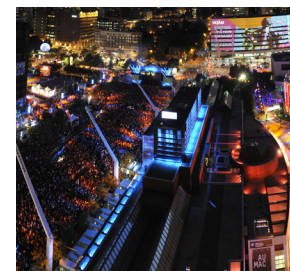


Be inspired by a city of knowledge and innovation

2

MONTRÉAL IS A TOP TOURISM DESTINATION

- A North-American vibe with a European flair
- Among Top 10 hip cities according to the New York Times and famous for its Joie de vivre
- One of the world's top food cities, with a diverse and affordable gastronomic offer influenced by Montréal's multiculturalism
- An endless stream of festivals throughout the year and the world stage for major events, including L'International des Feux Loto-Québec (Fireworks) and International Circus Festivals



Experience our renowned friendly welcome during summer, when festivals take over the city!

3

THE RIGHT CHOICE FOR ACCOMMODATIONS

- 14,000 hotel rooms downtown and 4,000 directly linked to the Palais des congrès
- 33 hotels rated 5- to 3-star to serve the Congress, offering a full variety of accommodations: luxury hotels, boutique hotels, inns, B&B and university residences
- Walking time from the Palais des congrès to hotels ranges from across the street to under 15 minutes
- 2021 average room rate US\$ 204 / Can\$273



A land of plenty offering all types and sizes!

5

EASY ACCESS TO AND WITHIN THE CITY

- The Palais des congrès (convention centre) is located right in the heart of the city, at the crossroad of vibrant districts
- Safe and pedestrian-friendly streets
- It is directly linked to the subway and the famous underground city 32 km (20 miles) used by 500,000 people on a daily basis
- 20-minute connection from the airport to downtown and the convention centre
- Express bus line from the airport to the Palais (Can\$10.00), including free Wi-Fi and 24h access to the public transportation system
- Numerous transportation modalities in the city: subway, Bixi bike sharing system, bus, taxi
- 135 direct flights connected to Montréal-Trudeau International Airport
 - 1 1/2 hour from New York City
 - 5 1/2 hours San Francisco
 - 7 1/2 hours from Frankfurt
 - 13 hours from Beijing



Shopping, history, entertainment, and exciting nightlife... just steps away from the Palais des congrès

4

BE WELCOMED IN A BRIGHT AND COLOURFUL CONVENTION CENTRE

- 30 years of experience in welcoming prestigious international congresses
- Impressive 90 % customer satisfaction rate
- The Palais des congrès is of human scale; it is easy to navigate
- The creative and young executive Chef is reinventing classic regional cuisine by imbuing it with the multicultural flavor of Montréal to create distinctive and savory dishes
- Modern technological environment with a strong and reliable Internet infrastructure, and free WiFi on level 1



With a stimulating environment, state-of-the-art technology, tasteful menus and impeccable customer service, the Palais des congrès will help you experience the greatest Congress ever!





Canadian Society for Chemistry | ***For Our Future***

400-222 Queen Street
Ottawa, ON Canada K1P 5V9

Bernadette Lockyer
Director of Communications and Marketing
613-232-6252 #228

blockyer@cheminst.ca