



IIT ALUMNI CANADA

The Indian Institutes of Technology Alumni Canada (IITAC)
Proposal to host

The PAN-IIT 2011 Global Conference
in the
Greater Toronto Area, Ontario, Canada

Submitted By IITAC

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(Contact: Chander Dhawan, President IITAC)

An Initial Proposal

October 31st, 2009

Disclaimer about Names of Participants

Please note that the names of alumni members and others listed in various organizational or advisory groups have been suggested purely as potential candidates. IITAC has made some initial contacts – in other cases IITAC intends to contact them and obtain their concurrence for the inclusion of their names in the revised proposal.

Highlights of PAN-IIT 2011 Global Conference in the Greater Toronto Area, Ontario, Canada

- ♦ IIT Alumni of Canada (IITAC) offering to host PAN-IIT 2011 Global conference in the Toronto area during 2011 (October timeframe)
- ♦ Conference to be organized by a core team of IIT Alumni in the Toronto area with the help of experienced PAN-IIT executives and previous organizers on a part-time basis
- ♦ Proposed Conference Chair from IITAC – Chander Dhawan, current President of IIT Alumni of Canada assisted by Srinivasan Venkatesh – two seasoned business professionals and managers with over 35-40 years experience – profiles attached.
 - Proposed Conference Chair and co-Chair can dedicate major share of personal time and energy for the Conference since both are semi-retired from active professional work
- ♦ Core Organization Team – To be enhanced to 10 members
 - Chander Dhawan – Conference Chair
 - Dr. Srinivasan Venkatesh – Conference Co-chair (also Program co-chair of 2006 North American Regional Conference organized by IITAC in the GTA)
 - Krish Krishnan – Current VP Admin, IITAC Board
 - Brij Sharma, Dr. Bibhu Mohanty, Robiz Foda - Chair of 2006 North American Regional Conference organized by IITAC
 - Rabiz Foda, Surinder Sharma, Mukul Asthana – Past Presidents of IITAC (Subject to confirmation)
- ♦ Volunteer Team – For execution during 2011
 - 40 to 50 Volunteers to be drawn from the Alumni
 - Mix of experienced alumni and IIT Graduate Students
- ♦ Toronto – a world-class Convention City with first class facilities
- ♦ Toronto – Easy to Reach by Air, Bus and Train

- ◆ **Toronto – Entertainment City with North American-Bollywood Fusion**
- ◆ **Toronto – Premier art and theatre City in North America**
- ◆ **Three Major Venues for 2000 attendees Identified**
- ◆ **A Futuristic “Rich-Content” Theme for 2011 Conference Suggested**

- ◆ **Based on improved economy in 2011, PAN-IIT 2011 conference that can produce significant surplus to PAN-IIT movement projected**
 - **Cost and revenue projections need validation with input from previous organizers and Senior Pan-IIT board members**

- ◆ **Major Business and Professional Organizational Partners in Canada Identified:**
 - **TiE, Toronto**
 - **Indo-Canada Chamber of Commerce – over 1000 members**
 - **Canada-India Foundation – Major corporations with Indian connection**
 - **Canada-India Business Council – High-profile Policy Advocacy group**
 - **Ontario Chamber of Commerce – 50,000 business Members**

- ◆ **Three levels of Government to be Pursued for Support**
 - **Municipal (Town of Markham already on board) – Toronto City expected**
 - **Provincial Government – partnership initiative started**
 - **Federal – Support Initiative propped for 2010**

- ◆ **Initial Group of Distinguished Alumni in Canada Identified**

The PAN-IIT 2011 Global Conference In Toronto, Ontario, Canada

Please note that this is a preliminary proposal with a more complete proposal expected from IITAC within 30-60 days, if requested by PAN-IIT conference site evaluation committee. This revised proposal will be more specific about each of the points stated herein and will provide better cost estimates.

1. Toronto - The Host City for PAN-IIT 2011 Global Conference

IIT Alumni of Canada is proposing that the next PAN-IIT global conference be held in Toronto at either the Metro Convention Center or one of the larger convention hotels like Sheraton Hotel or Westin Harbor Castle– all three located in downtown Toronto area near lake Ontario, CN Tower and Toronto City Hall.

IIT Alumni of Canada is an old and well-established chapter (since early 1970s) of over 800 alumni with members ranging from the very first batch i.e. 1951 from IIT Kharagpur to the youngest 2009 batch. Our chapter is excited and motivated to take on the challenge and associated responsibility for hosting a world-class conference in a modern and dynamic cosmopolitan city – the business capital of Canada.

The reasons, we believe Toronto offers the best choice for our next Pan-IIT global conference are the following strong points:

1. **World-Class City** - Toronto is acknowledged by the hospitality industry as a world-class city for business conferences. It is a modern, cosmopolitan and safe city with all facilities that such a conference requires. Based on many business surveys, Toronto ranks among the top ten cities in North America for large international business meetings – report from Toronto Tourist Office will attest to this claim
2. **Accommodations** – A large number of first class hotels (from 5-star to 3-star rating) in the downtown area are available – these hotels will meet the needs of different conference attendees – Also see proposed “IITAC’s Stay with IIT Families” proposal that will encourage IITians to stay with another IITian from same campus, batch or hall of residence.
3. **Ease of Travel** - Reaching Toronto is very easy. You can reach Toronto directly by air from most US and international cities, including Delhi and Mumbai. Cities like New York, Chicago and Boston are within a day’s travel by car, bus or train.
4. **World’s most multi-cultural city** – almost every nationality is represented in the city.
5. **Toronto with the Largest Indo-Canadian population** - 600,000 Indo-Canadians will make PAN-IIT guests welcome as if they are at home
6. **An Entertainment city** – Toronto is famous for different types of entertainment – the arts and entertainment district of Toronto is within half a mile of the proposed hotel complex.
7. **Toronto for the Adventurous** - with Casinos in Niagara Falls and Casino Rama in Orangeville.
8. **Toronto - a Family City** – World-famous Niagara Falls is only a little more than an hour away
9. **Toronto** – We believe that with the right marketing, we will attract 300 to 400 Canadian participants. The North American Regional conference that IITAC organized in 2006 in the Greater Toronto Area (GTA) attracted close to 400 participants

2. PAN-IIT 2011 Conference in Toronto – Location/Venue

There are a number of convention Centers and large hotels in Toronto area that can accommodate PAN-IIT 2011 conference with 1500-2500 attendees. While there are cheaper facilities available in Mississauga, we have identified the following three venues that will meet our requirements:

- Metro Convention Center (near CN Tower, Rogers Center (Basketball & Hockey Arena) and self-closing Dome for base ball games) – it can accommodate 2000-20,000 attendees.
- Sheraton Center – next to the City Hall – 1500 to 2300 people
- Westin Harbour Castle on the Lake - 1500 to 2300 people

Each of these three venues offers first class conference and meeting facilities that will match the expectations that a world-class PAN-IIT 2011 global conference warrants. External views of facilities with links to these sites are given in the Appendix.

3. PAN-IIT 2011 Conference in Toronto – Duration, Content, etc.

The duration of the conference will be patterned after the previous PAN-IIT conferences with one major difference. There will be a separate and additional stream that will showcase cutting edge technology where IIT alumni are involved. This stream will highlight research where the next generation of leading-edge products will come in the areas of clean technology, nano technology, bio-technology and converged information technology. Including mobile/digital media technology.

Most of the IIT alumni who come to Pan-IIT meet for networking as their central interest will start on Friday and stay until Sunday. Others, especially mainstream non-IIT registrants as well as IITians interested in investigating cutting edge technologies will start on Thursday.

This stream will also provide organizers an opportunity to have a technology/product exposition area which will bring in additional revenue.

4. PAN-IIT 2011 Conference in Toronto - The Theme

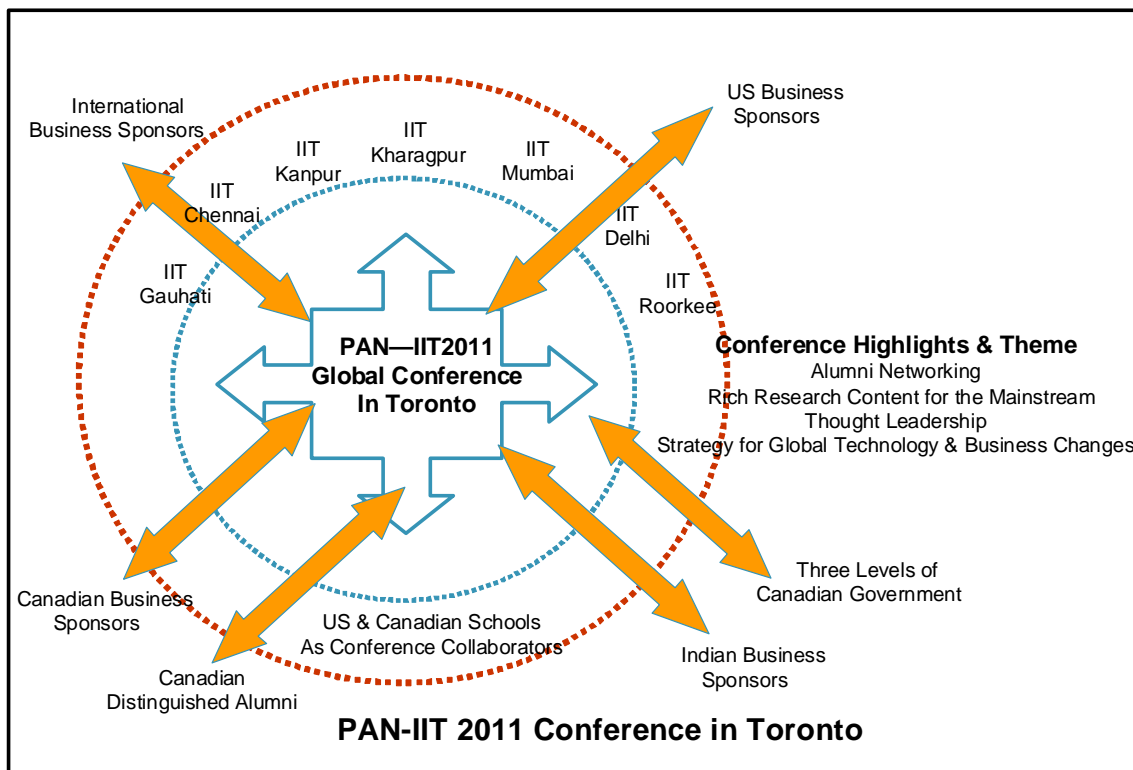
It is too early to define a succinct theme of the conference at this stage. The world technological scene and economic climate are changing quite rapidly. Much will depend on economic recovery during 2010 and resultant scene in 2011. The conference theme must match with the needs of 2011 timeframe. IITAC would naturally work with PAN-IIT board to develop an appropriate theme as we get closer to the conference time. It will obtain input from academic and business leaders in USA, Canada and India to develop this theme. However we are offering the following initial ideas that can be debated, discussed and evaluated:

The Conference should continue to provide a forum for alumni networking but also showcase PAN-IIT alumni as thought leaders forecasting technology, business and economic trends impacting developed and emerging economies. IITAC feels that the following sub-themes need to be woven into session streams:

- Appropriate mix of technology sessions in emerging technologies, alumni networking forums, social entertainment and advanced thought leadership in entrepreneurship and innovation
- **Showcasing cutting-edge technologies** (Technology Stream) where IIT alumni are involved across the world – in particular North America, Europe and Asia
- Business Research in the “Bottom of the Pyramid” concept of Professor Prahalad – time is fast approaching for this to become an economically viable strategy to even out the economic boom and bust

cycles of developed economies. Also we must find ways for technology to touch the bottom of the pyramid.

- Taking President Clinton’s call in the 2009 conference, “How can we use India as a bridge towards reducing inequality between economically advanced North American Markets and developing economies in Asia and Africa”
- Accelerating research and faculty collaboration between North America and India
- Developing Centers of Excellence in Technology Convergence, hybridization and Technology Adaptation for developing Countries and Homogenization
- Innovation and Entrepreneurship stream – continuation of the 2007 and 2009 themes



5. PAN-IIT 2011 Conference in Toronto – IITAC Strategy

IITAC feels that pending further validation by PAN-IIT conference organizers and board members, strategy for hosting the PAN-IIT 20111 global conference in Toronto should be based on the following sub-strategies:

Utilize the experience base of organizers from previous PAN-IIT conferences in Chicago, Santa Clara and Washington. This will be done through telephone and face-to-face meetings so that experience can be transferred to the local organizing team.

Provide rich conference content (technology research and business thought leadership presentations) besides social and networking aspect of the conference. This will make it more attractive to non-IITians who may be willing to pay a premium for this content.

Utilize professional event management assistance from a local event management organization for logistics etc – cost approximately \$25,000

Promote the conference and enlist support among Canadian universities and business schools for participation and registration of attendees

Utilize the administrative tools (event management, email promotion, etc) **that previous organizers have used.** There is no point in re-inventing the wheel.

6. PAN-IIT 2011 Global Conference - Preliminary Financial Model – Costs And Revenue

While the organizing committee will develop more reliable cost estimates, we have done preliminary estimates and feel that we can start the planning exercise with the following estimate:

Item description	Estimated Costs	Revenue Stream
Event Hosting (Convention Center etc.) Costs Assumptions – 2000 attendees @300 per guest for 2.5 days – mid Friday start and Sunday end Thursday Rich Content Session costs These costs include a light lunch (sandwiches, etc), coffee service during session breaks, 3 buffet dinners and one night of gala entertainment	\$ 600,000 \$ 25,000	
Professional Entertainment Costs – Based on using Local Professional Talent based in Toronto area – considering world-famous Shiamak Will investigate need for artists from India	\$ 50,000	
Audio-visual Support	\$ 25,000	
Exposition area Facilities	\$50,000	Thursday to Sunday
Professional event management consulting assistance	\$25,000	
Travel Related Costs for Invited Speakers etc.	\$25,000	
Contingency Costs - items not identified	\$50,000	
Total Costs	\$850,000	
Revenue Stream		
1500 Paid Attendees @ \$200 average registrant		\$300,000
500 non-IITian attendees registering for “Rich Content” Thursday presentations @ 500 each		\$250,000
Sponsorship – Municipal Governments & Toronto Tourist Board		\$25,000 plus in-kind for help in locating hotels etc.
Sponsorship – Provincial Government		\$ 50,000
Sponsorship – Federal Government		\$ 50,000

Sponsorship- Canadian Business Partners		\$75,000
Sponsorship- US Business Partners – 20 sponsorships at \$5000 to 50,000 (avg 25000)		\$500,000
Sponsorship- Indian Sustaining Business Partners (Tatas, Infosys, WIPRO and others)		\$200,000
Contribution from IIT Distinguished Alumni		\$150,000
Exposition Revenue – 15 stalls @ 5 K to 20K each, average \$10,000		\$150,000
Total		1.750 Million dollars **

Note *** - These cost and revenue numbers are purely targets. We need to make these targets realistic after getting input from past organizers in understanding the challenges in realizing these targets. We have also assumed significant support from parent PAN-IIT leadership for obtaining sponsorship from multt-national corporations. We have also assumed significant improvement in economy in 2011.

7. PAN-IIT 2011 Conference in Toronto – Organizing Team

IITAC is proposing the name of Chander Dhawan as the Conference Chair with Srinivasan Venkatesh as the local co-chair. Another guest co-chair for the conference will be selected from PAN-IIT team after discussion with different volunteers who may be able to assist.

Chander Dhawan

Chander Dhawan is a leading authority in mobile computing and wireless networking for the enterprise. He is the President of DOLNET Computer Communications Inc. and the founder of MobileInfo.Com information portal – one of the most comprehensive and insightful resources on the Internet for IT professionals looking for information on mobile computing and wireless networking. Chander has spoken frequently at Comdex, DCI, PDA Expo, IEEE, AWORC and other conferences, since 1995. Chander spent 14 years with IBM prior to starting an independent consulting practice. He is the author of two books: *Mobile Computing— A Systems Integrator's Handbook*, and *Remote Access Networks—PSTN, ISDN, ADSL, Internet and Wireless* (both published by McGraw-Hill) and has published research reports in Canada and USA. Mr. Dhawan received his B.Tech. (Honours) degree in Electrical Engineering from IIT Kharagpur and a Master's degree in Engineering from the University of Toronto. **He is fully committed to undertake the role of Conference Chair for delivering a first class conference in Toronto.** As a pragmatic practitioner of complex information technology projects, Mr. Dhawan is aware of the many challenges to turn this proposal into reality.



Regarding his IIT background, Chander is a senior IITian - 1962 IIT Kharagpur EE batch. He has been active in alumni affairs since early 70s and PAN-IIT affairs for several years. He was an early and active member of ICORE set up in 2007 in Santa Clara and has attended several PAN-IIT conferences. He is the current President of IIT Alumni of Canada and is also a founding member of PAN-IIT leadership Circle started this year. He is also a former charter member of TiE Toronto. With the help of senior PAN-IIT friends like Arjun Malhotra in Silicon Valley and BK Syngal in India, he has been instrumental in the establishment of seven TCOEs (Telecom Centers of (Research) Excellence in five major IITs, Indian Institute of Science, Bangalore and IIM Ahmedabad.

Chander has participated actively in the organization of large conferences, including several Comdex conferences in Toronto. He has assisted other conferences in the mobile and wireless space. He was actively involved in the 2006 PAN-IIT regional conference in Toronto.

For more details on his professional background, please refer to the appendix.

Dr. Srinivasan Venkatesh

Dr. Venkatesh retired from the Public Service of Canada in the late spring of 2009. In his last assignment as Research Manager of the Air Quality Modelling & Integration Section of Environment Canada, Dr. Venkatesh directed the R&D on numerical models for real-time forecasting and to support policy decision making in areas related to smog, acid rain and hazardous air pollutants including persistent toxic substances such as Persistent Organic Pollutants (POPs) and heavy metals. He was responsible for an annual budget of approximately \$1.7 M. As a Research Scientist with Environment Canada between 1975 and 1995, Dr. Venkatesh's expertise was in the development of models for phenomena at the air/water/ice interface. These included behaviour of oil spills including in ice-infested waters, iceberg drift and deterioration, sea ice drift and storm surges.

Following his retirement in May 2009, he has provided consulting services to the North American Commission for Environmental Cooperation in capacity building in Mexico to deal with their air quality and other environmental issues.

Over the course of his career with Environment Canada, Dr. Venkatesh has served as chair of organizing and program committees on a number of scientific conferences and workshops. Such conferences and workshops have been arranged in various countries including Canada, U.S.A, Mexico, Italy, Greece, Norway, Sweden, Finland, Japan, China and India. Dr. Venkatesh also served as the program co-chair for the 2006 North American Regional Conference organized by the Indian Institutes of Technology Alumni Canada.

Dr. Venkatesh obtained his undergraduate degree in Mechanical Engineering from the Indian Institute of Technology, Madras, India and his Ph.D (Mech. Eng.) from the University of Waterloo, Canada.

Proposed Toronto PAN-IIT Global Conference Core Team

We intend to assemble a 10-12 member core team from the current board and other prominent IITians from Toronto area. Other potential members of the Toronto organizing team will be:

- Krish Krishnan – VP Admin, IIT Alumni of Canada
- Dr. Bibhu Mohanty - Professor Emeritus at University of Toronto and Board Member IIT Alumni Canada
- Brij Sharma – very strong in social event organization
- Ajoy Pal – VP- Finance – Has excellent background in financial modelling and cost tracking
- Rakesh Jain – Current Board Member for Website enhancements
- RabizFoda – Past President and former Chair 2006 Regional Conference (subject to confirmation)
- Surinder Sharma – a Past President (subject to confirmation)
- Mukul Asthana – a Past President (subject to confirmation)
- Milind Janbandhu = past VP – Admin – Very strong in organizing Entertainment (subject to confirmation)
- Utpal Banerji – an active IITian, past VP – Admin –strong in enlisting alumni support -(subject to confirmation)

PAN-IIT 2011 Global conference Advisory Council

We shall form an advisory council for the conference that will consist of the following members:

- Core Conference Organizers from Toronto
- PAN-IIT executives
- Past Conference organizers
- Others

8. PAN-IIT 2011 Conference in Toronto – Volunteer Force

We would need a large number of volunteers (around 40 to 50) during the conference. This IIT alumni organization in Toronto area can easily provide.

9. Organizational Partners for the PAN-IIT Toronto Conference

IIT Alumni of Canada plans to have discussions (some have already been held) in order to forge partnerships with several professional and business organizations involved in promoting collaboration with India in the area of science, technology, investment and trade. We feel that we can get the support and participation of the following organizations:

TiE – the Indus Entrepreneurs – Toronto Chapter

ICCC – The Indo-Canadian Chamber of Commerce with branches in Halifax, Montreal, Ottawa, Toronto, Winnipeg, Calgary, and Vancouver

CIF – Canada India Foundation

C-IBC – Canada India Business Council

OCC –Ontario Chamber of Commerce – Pradeep Sood, a prominent Indo-Canadian IT businessman is the current Chairman of OCC that has 50,000 members (large, medium and SMEs)

10. Partnership with Three levels of Canadian Government

Since PAN-IIT 2011 conference is the first in the series being planned to be held in Canada, we intend to form relationships in order to get support (promotional and financial) from three levels of government. We already have a strong relationship with Town of Markham (representatives from the Town of Markham attended the Chicago meeting) who has offered significant support in promoting the conference.

IIT Alumni in collaboration with five other organizations listed earlier, have planned a reception for the Premier of Ontario to promote his trade mission to India in early December 2009. We expect that the Province of Ontario will promote our conference, possibly with some financial aid.

11. Distinguished IIT Canadian Alumni Support

We intend to enlist the support of distinguished Canadian alumni. The following business leaders will be pursued:

- Prem Watsa – Chairman of Fairfax – the largest Canadian reinsurer
- Dr. Joseph Kurian – Chairman of Alpha Labs
- Madan Bhayana – Chairman of Inscape
- Ram Ramkumar – Chairman of Opsearch
- Dr. Lucky Laxmanan – Vice-Chair Process Research Opsearch

12. Our Proposal Differentiation

Futuristic Conference Theme

As stated earlier, we are suggesting a futuristic theme of 2011 conference that capitalizes on the strong brand image of PAN-IIT but goes forward with serious deliberations about global issues that are currently on the horizon and will become more formidable in future with possible collision of emerging and developed economies.

IITians Hosting Out-of-Town IITians in Their Homes

We are proposing that IIT Alumni Canada members be polled to find if they would be prepared to host in their houses another out-of-town IITian who may be from the same batch, same hall or have similar professional interests. This will be reminiscent of true Indian hospitality. This will not only increase the participation and make the trip more affordable for some, but more importantly build personal and professional relationships that a casual business meeting can never provide.

Increase attendance by non-IITians

To truly enhance our well-advertised brand, we need more attendance by mainstream North American technology professionals. We feel that Canadian university and business professionals will respond well if we provide suitable cutting edge technology content. There was very good such support for the 2006 conference organized by IITAC in Toronto.

Appendix "A-1" – Bio of Proposed Conference Chair- Chander Dhawan

Chander is one of the leading experts in mobile computing and wireless space. He is an experienced consultant, author, industry analyst, Managing Editor and Founder of MobileInfo.Com web site that was perhaps the most comprehensive information resource on the Internet for mobile computing and wireless networking information. He has over 35 years experience (including the first 13 years with IBM) in strategic planning, architecture development, product evaluation, and project management of enterprise-wide solutions based on emerging technologies. His current interests are in wireless networking, mobile computing, m-commerce infrastructure and remote access internetworking. His focus is on both business and systems integration of enterprise-wide solutions from end-to-end perspective.

Chander has been active in IT since 1969 and in the mobile computing and wireless networking industries since 1993. He has undertaken several large wireless computing projects in law enforcement, banking, financial services, construction and public safety industries from conception to implementation. He has organized streams of conferences and spoken frequently at Information Technology conferences like COMDEX, DCI, IEEE, Mobile PDA conferences, Telethority, Mobile Commerce World Summit, etc. He has published research reports and technical articles in both Canadian and US trade magazines. He has acted as industry expert in selecting the top products in mobile computing on behalf of trade magazines. He has advised several startups (including one in the Silicon Valley) towards developing new products and services in wireless computing arena.

Education

- Master's degree in Industrial Engineering and a postgraduate diploma in Operations Research, both from the University of Toronto, Ontario, Canada
- Attended intensive one-year postgraduate Business Administration program at DCM Management Training Center in New Delhi, India (considered equivalent to MBA)
- Bachelor's degree in Electrical Engineering from IIT Kharagpur, India

Books

Chander is also the author of two books:- "Mobile Computing - A Systems Integrator's Handbook", and "Remote Access Networks - PSTN, ISDN, ADSL, Internet and Wireless". Both books were published by McGraw-Hill of New York.

Academic & Research Connections

- Member, Advisory Board, Systems Information Research Journal - State University of NY, Buffalo
- UCLA "Wireless Internet for Enterprise Consortium" Enterprise Wireless Conference Promotion
- Guest Speaker in M-Commerce for MBA Class - McMaster University, Canada
- Key role (on behalf of PAN-IIT) for starting seven Telecommunications Centers of Research excellence (TCOEs) at five IITs, Indian Institute of Science Bangalore, and the Indian Institute of Management, Ahmedabad, India
- Speaker at Rotman School of Business (University of Toronto) Lecture series and Schulich School of Business, York University

Speaking Engagements

- Regular Panel Organizer & Speaker (1994-2002) at Comdex conferences in Las Vegas, Toronto, Vancouver and Chicago
- Speaker at DCI conference, Toronto - Sales Force Automation - 1997
- Regular speaker at PDA Expos in San Francisco, New York and Chicago (1997-2000)
- Moderator and Keynote Speaker at AIM conference in Orlando, Florida - February 2001
- Panelist at IIR Wireless Commerce Conference in Toronto - 2000
- Moderator & Keynote Speaker at Telethority Conference in Chicago on "Realistic Assessment of 3G"
- "Opportunities and Challenges in M-commerce" conference in San Francisco August, 2001
- "M-Commerce and Financial Industry" at Strategy Institute Conference in Toronto - July 2001
- Panel Chair and Speaker of " M-Commerce Challenges and Opportunities" - Comdex - 2001 & 2002

Industry Advisor

Technology Advisor to wireless two startups in California and Montreal Quebec - mobile middleware and thin client devices

Appendix "A-2" – Bio of Proposed Conference Co-Chair- Dr. Srinivasan Venkatesh

EDUCATION:

B.Tech.	1967	Mech. Eng., Indian Inst. of Technology, Madras, India
M.Eng.	1969	Mech. Eng., Indian Inst. of Science, Bangalore, India
Ph.D.	1974	Mech. Eng. (Environmental Fluid Mechanics), Univ. of Waterloo, Canada

EMPLOYMENT HISTORY

1995-2009	Manager, Air Quality Modelling & Integration Section, Environment Canada, Toronto
1986-1995	Senior Research Scientist, Forecast Research Division, Atmospheric Environment Service (AES), Environment Canada, Toronto
1979-1986	Head, Environmental Prediction Research Section, Forecast Research Division, AES, Environment Canada, Toronto
1978-1979	Head, Lakes and Marine Climatology, Hydrometeorology Division, AES, Environment Canada, Toronto
1975-1978	Research Scientist, Forecast Research Division, AES, Environment Canada, Toronto
1974-1975	Research Scientist, Atmospheric Dynamics Corporation, Elmira, Ontario
1973-1974	Research Scientist, Canada Centre for Inland Waters, Burlington, Ontario

PROFESSIONAL MEMBERSHIPS (past & present)

Member, Canadian Meteorological and Oceanographic Society

Member, American Meteorological Society

Member, Canadian Applied Mathematics Society

Treasurer, International Society for the Prevention and Mitigation of Natural Hazards

Member, American Society of Civil Engineers

AWARDS:

Environment Canada's Diversity and Leadership Award, June 2001

INFORMATION ON SELECTED PROJECTS:

1. **Canada-USA-CEC-China project on Lindane**, (Project Manager), 2005 - 2008, *Approximate funding-* \$100,000, *Project Sponsor(s):* Environment Canada / US-EPA/ Commission for Environmental Cooperation /Harbin Institute of Technology, China
2. **Air Quality Forecasting in Canada and North America**, (Division Chief, Project Manager, contributing scientist), 1999 - 2008, *Approximate funding-* \$200,000, *Project Sponsor(s):* Meteorological Service of Canada, Environment Canada
3. **Air quality modelling (smog, acid rain, toxics – pesticides and heavy metals)**, (Division Chief, Project Manager, contributing scientist), 1995 - 2008, *Approximate funding-* \$1,000,000+, *Project Sponsor(s):* Meteorological Service of Canada, Environment Canada / Canadian Northern Contaminants Program

4. **Behaviour of oil spills in ice-infested waters**, (Senior Scientist), 1990 - 1995, *Approximate funding-* \$100,000, *Project Sponsor(s):* Atmospheric Environment Service, Environment Canada
5. **Oil spill modelling – Real-time forecasting of the movement of oil spills including emergency response**, (Senior Scientist), 1980 - 1995, *Approximate funding-* \$250,000, *Project Sponsor(s):* Atmospheric Environment Service, Environment Canada / United States National Oceanic and Atmospheric Administration
6. **Modelling iceberg drift and melting in the Labrador Sea**, (Principal Scientist), 1979 - 1983, *Approximate funding-* \$100,000, *Project Sponsor(s):* Atmospheric Environment Service, Environment Canada / United States Coast Guard
7. **Modelling of sea ice drift and concentration in the Arctic**, (Project Scientist), 1975 - 1980, *Approximate funding-* \$100,000, *Project Sponsor(s):* Atmospheric Environment Service, Environment Canada
8. **Development of model for meso-scale winds**, (Project Scientist), 1974 - 1975, *Approximate funding-* \$25,000, *Project Sponsor(s):* Atmospheric Environment Service, Environment Canada

AREAS OF EXPERTISE:

As Research Manager of the Air Quality Modelling & Integration Section of Environment Canada, Dr. Venkatesh directed the R&D on numerical models for real-time forecasting and to support policy decision making in areas related to smog, acid rain and hazardous air pollutants including persistent toxic substances such as Persistent Organic Pollutants (POPs) and heavy metals. He was responsible for an annual budget of approximately \$1.7 M.

As a Research Scientist with Environment Canada between 1975 and 1995, Dr. Venkatesh's expertise was in the development of models for phenomena at the air/water/ice interface. These included behaviour of oil spills including in ice-infested waters, iceberg drift and deterioration, sea ice drift and storm surges.

He also has expertise in the development of models for describing winds in areas of complex terrain and also near land/water boundaries where land/sea breezes can exist and can have an important influence on the near-shore movement of oil spills.

Conferences & Workshops:

Dr. Venkatesh has served as chair of organizing and program committees on a number of scientific conferences and workshops over the course of his career with Environment Canada. Such conferences and workshops have been arranged in various countries including Canada, U.S.A, Mexico, Italy, Greece, Norway, Sweden, Finland, Japan, China and India.

LIST OF JOURNAL PUBLICATIONS:

Over 40 papers published in various International journals.

Glimpses of Potential Conference Venues

Metro Convention Center with Dome and Canada Center



Sheraton Center Hotel, Downtown Toronto – Next to the City Hall



Westin Harbour Castle



Niagara Falls – One Hour from Toronto



Niagara Falls Casino – 90 minute away



Stratford Ontario Theatre Scene – 2 hours away



World-Famous Shiamak Davar Group of Mississauga, Ontario – Bollywood & North American Fusion