



# International Tamil Internet Conference (TIC) in Toronto: August 25-27th, 2017

The International Forum for Information Technology in Tamil (INFITT) is pleased to inform that the 16th Tamil Internet Conference 2017 will be held in the University of Toronto, Scarborough Campus in the Greater Toronto Area during August 25-27th, 2017.

The INFITT annual conference is co-sponsored by the University of Waterloo Centre for Pattern Recognition and Machine Intelligence, IEEE Canada and with the support of the University of Toronto.

Research papers in all the areas of Tamil Computing had been solicited. We have identified two key areas for this year's conference: Deep Learning and Data Science. In addition to these thematic areas, Conference Program Committee welcomes regular research papers on the following topics:

- Natural Language Processing (NLP) applications in Tamil, Spellchecker, Grammar checker,
- Text Analytics/Mining, Sentiment Analysis, Speech recognition, TTS Systems, Search engines,
- Machine Learning, Machine Translation, Data-mining, etc.
- Corpus linguistics
- OCR and Handwriting Recognition
- Tamil "enabling" in mobile platforms (smartphones, tablets, etc.) with particular emphasis for
- Tamil Apps for use on iOS, Android and Windows platforms
- Open Source Tamil software and Tamil Localization
- Computer- and online-assisted Teaching, Learning of Tamil
- Tamil content and delivery via Internet: Blogging, microblogging, Wikipedia, Podcasting,
- social networks
- Tamil Digital Library, Digital Archiving
- Tamil Linked Data, Semantic Web, Data Science pertaining to Tamil, Tamil Ontologies,
- Learning Management Systems, Virtual Learning,

**This is the first time this conference is being held in Canada, and it happens to be the 150 year of Canada.**

We would bring out a Conference Proceedings containing the Conference papers, Greeting messages from prominent people (from education, government etc.).

We are also going to bring out a Vizhaa Malar (a multi-coloured publication) in which some general articles accessible to general public related to the conference topics would be brought out.

This is an event where some 100 researchers would come together to present their research findings (both in English and Tamil), but there are a few events open to general public, without paying conference registration fees

**(Conference Registration Fee is \$150 for nonmembers. IEEE members get \$25 discount and INFITT members get \$50 discount).**

Mr. Muthu Nedumaran from Malaysia is one of the Keynote Speakers. Another one of the Keynote Speakers is Professor Andrew Wong (Fellow of IEEE) of the University of Waterloo. A third Keynote Speaker is Dr. Li Deng, Chief Scientist of Artificial Intelligence at Microsoft and one of the most cited authors of Deep Learning

Please see the Conference Website: <http://tamilinternetconference.org/>



**Prof. C. R. (Selva) Selvakumar** is the Chair of this 16th TIC and also the Chair of the Conference Program Committee.

**Professor C. R. (Selva) Selvakumar** was born in Tamil Nadu, India. His Ph.D. dissertation was based on a new analytical approach to solve semiconductor device equations in heavily and non-uniformly doped regions. His interests are in analytical modeling and generic approaches.

Since 1985 he has been with University of Waterloo, first as a Postdoctoral Fellow and later as Professor, in the Department of Electrical and Computer Engineering. For ten years (1996-2005) he had served as the Director of Waterloo Centre for Materials Technology (WATMAT) which had 38 Faculty members as its members. Professor Selvakumar was a Visiting Fellow at Princeton University (2003) and a Visiting

Faculty Member (1992) of Stanford University's Department of Electrical Engineering. He received Marsland Fellowship Award in Information Technology in 2003. He was a member of the Board of Governors of the University of Waterloo and a member of the University of Waterloo Senate for three years (2006-2009). He served as Technical Program Committee Chairperson of the 1994 IEEE Bipolar/BiCMOS Circuits and Technology Meeting. He served as a Chairman of the Kitchener-Waterloo IEEE Section Electron Devices, Circuits and Systems Chapter. He is cited in American Men and Women of Science 1992 edition. **Dr. Selvakumar** is a Senior Member of IEEE.



**Prof. Kumaraswamy Ponnambalam**, Department of Systems Design Engineering, University of Waterloo

## Chair of the Local Organization Committee

**Professor Ponnambalam** obtained his Ph.D. from University of Toronto and current short profile is given below:

**Design Optimization under Uncertainty:**  
Development of new methodologies for design optimization under uncertainty explicitly considering risk and applying the newly developed techniques in engineering including civil, chemical, electrical and environmental engineering problems are

some of our main objectives. Because of the interdisciplinary nature of the many applications, much of the work has been done in collaboration with colleagues from both inside and outside the university.

In addition, he is also working in the Application of Intelligent Systems, to hydrology and water resources, decision making in health, control of satellite communications, and fault detection analysis.

## Key Note Speakers



**Muthu Nedumaran**  
(Founder, CEO, Murasu Inc.)



**Andrew K.C Wong**  
(Distinguished Professor Emeritus)  
B.Sc.(Hons), M.Sc., PhD,  
IEEE Fellow



**Dr. K. Kalyanasundaram**  
(Swiss Federal Institute of Technology [EPFL])

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