

CANADIAN SEMICONDUCTOR SCIENCE
AND TECHNOLOGY CONFERENCE
UNIVERSITY OF SASKATCHEWAN

July 28–August 1, 2019, Saskatoon, Canada

[Home](#)

[Venue](#)

[Scope and Topics](#)

[Abstracts](#)

[Registration](#)

[CLS Tour](#)

[Accommodation](#)

[Invited](#)

[Program](#)

[Sponsors and
Exhibitors](#)

[Committees](#)

[Contacts](#)

WELCOME TO THE 19TH CANADIAN SEMICONDUCTOR SCIENCE AND TECHNOLOGY CONFERENCE

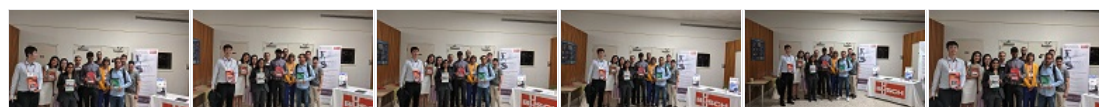
The Canadian Semiconductor Science and Technology Conference (CSSTC) has a long tradition, dating back to 1982, when the first meeting of this biennial series, under the name of Canadian Semiconductor Technology Conference (CSTC), was organized in Ottawa by the National Research Council of Canada (NRC). In order to avoid overlaps with the International Conference on Physics of Semiconductors (ICPS) biennial series, the meeting was switched from even to odd years with the 7th CSTC, which was held in 1995. NRC had been the main organizer and sponsor for CSTC until 2005. The 13th CSTC was held in Montreal in 2007, followed by the 14th meeting in Hamilton in 2009. In recognition of the growing presence of fundamental research and its importance in driving applications and technology transfer, the conference was given its present name of the Canadian Semiconductor Science and Technology Conference (CSSTC) at the 15th meeting in 2011 in Vancouver.

The following meetings, 16th CSSTC in 2013 was held in Thunder Bay, 17th in 2015 in Sherbrooke and the last 18th in 2017 in Waterloo. The last conference website is still active and provides a good perspective on the nature of this meeting.

POSTER PRIZE WINNERS

P04	Tristan de Boer , University of Saskatchewan Emergence of a pre- π^* Feature in Graphite upon Intercalation: An Experimental and Theoretical Study of Hexafluorophosphate
P05	Peicheng Li , Zheng-Hong Lu , University of Toronto Energy disorder and energy level in host-dopant organic semiconductors
P07	Abderraouf Boucherif , Mohamed El-Gahouchi , Université de Sherbrooke Duplicated GaAs solar cells with high efficiency at ultra-high concentrations
P10	Farley Chicilo , University of Saskatchewan X-ray Induced Sm-Valence Conversion in Fluoroaluminate Glasses as a Tool for Investigating Dose Distributions and Electron Transport in Microbeam Radiation Therapy

P11	<u>Gudi Dhanvini</u> , University of Alberta Pulsed laser deposition-based synthesis of MoS ₂ thin films for optoelectronic and electronic device applications
P12	<u>Amir Qamar</u> , University of Saskatchewan X-ray spectroscopic study of amorphous and polycrystalline PbO films, α -PbO, and β -PbO for direct conversion imaging
P13	<u>Yinqiu Shi</u> , <u>Zbig Wasilewski</u> , University of Waterloo Transport Properties of InSb/AlInSb Surface Quantum Well Heterostructures
P15	<u>Devin Huyghebaert</u> , University of Saskatchewan Design and construction of a 1 kW VHF amplifier for probing the ionosphere using novel radar sensing techniques
P18	<u>Ida Sadeghi</u> , <u>Zbigniew Wasilewski</u> , University of Waterloo On the Origin of Hillock Formation during the Growth of InGaAs/InAlAs Superlattice on InP(111) Substrates
P26	<u>Abbas Nakhband</u> , Simon Fraser University Shallow donor complexes in ZnO containing Sn and Li studied by photoluminescence spectroscopy



CSSTC2017

CSSTC 2019 TEAM



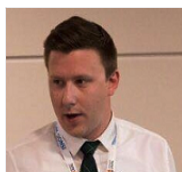
Safa Kasap
(Chair)



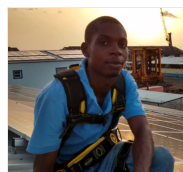
Michael Bradley
(Co-Chair)



Robert Johanson



Farley Chicilo
(Assistant Manager)



William Elcock
(Conference Secretary 1)



Onyebuchi Onumonu
(Conference Secretary 2)

SPONSORS



For inquiries please contact:
email: secretary.csstc2019@gmail.com

[Home](#) | [Venue](#) | [Scope and Topics](#) | [Abstracts](#) | [Registration](#) | [Accommodation](#) | [Invited](#) | [Program](#) | [Sponsor and Exhibitors](#) | [Committees](#) | [Contacts](#)