

# 2019 ICA EARLY CAREER AWARD

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## Résumé

La International Commission for Acoustics a remis sa bourse de début de carrière au professeur Jérémie Voix, président de l'Association canadienne d'acoustique (ACA). Ce bref rapport décrit le processus suivi et recueille les souvenirs de ce moment important pour notre association.

**Mots clefs :** International Commission for Acoustics, Early Career Award

## Abstract

The International Commission for Acoustics presented its Early Career Award to Professor Jérémie Voix, the President of the Canadian Acoustical Association (CAA). This short report describes the process and collects the memories from that important moment for our association

**Keywords:** International Commission for Acoustics, Early Career Award

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## 1 The ICA Early Career Award

The following sections are extracts from the ICA website detailing the Early Career Awards [1].

### 1.1 Qualifications

The ICA Early Career Award is presented at the Triennial ICA Congress to an individual who is relatively early in his/her professional career (about 10-15 years of active career), who has contributed substantially, through published papers, to the advancement of theoretical or applied Acoustics or both, and who has been active in the affairs of Acoustics through his/her National Society, other National Society(ies), Regional or International organizations.

### 1.2 The Award

The Award consists of an Award Certificate, a Medal, and an Honorarium. The honorarium for the Early Career award to be announced at the ICA 2019 Congress was Euro 2,000.

### 1.3 Award Presentation

The award shall be presented at the banquet or a Plenary Session of the ICA Triennial Congress by the President of the Board of the ICA. The award recipient will be introduced by an individual from the nominating National Society and given the opportunity to make remarks in acceptance of the award. The award recipient will present a paper during the Congress and this presentation will be clearly identified in the program. A list of award recipients and a photograph of the most recent award recipient and his/her citation will be listed on the ICA website.

## 1.4 Past recipients of the ICA Early Career Award

According to the ICA website [2], the recipients have been:

**2016** - Prof Frank Russo (Ryerson University)

*"For outstanding contributions to psychological acoustics, particularly the theory of musical cognition and perception"*

**2013** - Prof Tapio Lokki (Aalto University)

*"For outstanding contributions to room acoustics, particularly for novel subjective and objective assessment methods of concert halls"*

**2010** - Prof Torsten Dau (Technical University of Denmark)

*"For outstanding contributions to auditory processing and perception, auditory neuroscience and technical applications of auditory models in hearing technology"*

**2007** - Prof Nico F. Declercq (Georgia Institute of Technology)

*"For outstanding contributions to ultrasonics, particularly for studies of propagation and diffraction of acoustic waves"*

**2004** - Prof Timothy Leighton (University of Southampton)

*"For both scientific and educational contributions to underwater acoustics, particularly for the role of bubbles in scientific phenomena"*

**2004** - Prof Oleg Sapozhnikov (Moscow State University)

*"For contributions to nonlinear acoustics, particularly for theoretical and experimental studies of high amplitude ultrasound"*

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## 2 Introduction of 2019 ICA Early Career Award recipient by ICA Secretary General

The following is the introduction of Jérémie Voix by ICA Secretary General, Dr. Michael Stinson, for the 2019 Early Career Award from the International Commission on Acoustics (ICA), given during the International Congress on Acoustics on September 11th in Aachen, Germany.



**Figure 1:** ICA Secretary General, Dr. Michael Stinson, introducing Prof. Jérémie Voix, the ICA Early Career Award recipient during the ICA 2019 Congress in Aachen, Germany. [Photo courtesy of Sabine Schmidt © ICA 2019]

*"It is my pleasure to introduce the winner of the 2019 ICA Early Career Award, Professor Jérémie Voix. You have just heard a minute ago, an explanation of the qualifications for this award. It should be clear that you have to be good to win this award. And Jeremie Voix is good. During his young career, he has made major contributions in research, in technology transfer, in teaching, and in service to scientific organizations.*

*Jérémie Voix is a leading expert in hearing protection and ear acoustics. An underlying theme in his work is the merging of hearing protector, hearing aid, and communication features into a single wearable device. He is an author of over 40 refereed publications and over 70 proceedings papers, addressing topics such as measurement of the effectiveness of hearing protectors, variability in ear plug fitting, digital audio, and hearing aid technology. He is also working on techniques for an in-ear, micro-energy harvester. He has two book chapters in the next edition of the Noise Manual, widely used by industrial hygienists.*

*I first came to know Jérémie several years ago at technical sessions in hearing acoustics. I was impressed with his level of knowledge, so early in his career. But more than that, it was his ability to bridge the gap between theory and practical application that stood out.*

*His research efforts are made in close collaboration with industrial partners so the transfer of technology is rapid. As well as being Full Professor at the Université du Québec in Montréal, Canada, he is the Chief Scientific Officer of EERS*



**Figure 2:** ICA Secretary General (left) Dr. Michael Stinson, Prof. Jérémie Voix and ICA President (right) Prof Michael Taroudakis, at the ICA 2019 congress in Aachen, Germany. [Photo courtesy of Sabine Schmidt © ICA 2019].

*Global Technologies, developing a variety of in-ear products. Dr. Voix holds 11 patents, maybe more by now.*

*Given his fundamental and practical capabilities, it is not surprising that he is frequently called upon to serve on standards writing committees and to consult with industry. Recently, Dr. Voix was appointed as an expert for the World Health Organization's "Make Listening Safe" initiative.*

*Professor Voix is an engaging and effective teacher. He has supervised students at many levels, including 2 Ph.D. students, 16 M.Sc. students, 11 capstone students, and 26 undergraduates.*

*I got to know Jérémie better when I was organizing the 2013 ICA congress in Montreal. Jérémie was a member of our organization team, and was a great help, being productive, efficient, reliable, and innovative.*



**Figure 3:** ICA Early Career Award medal and certificate with mention « Jérémie Voix is hereby presented the Early Career Award for outstanding contributions to ear acoustics, particularly in-ear technologies for protection, communication and biosensing ».

*I am not the only one to recognize his organizational skills. He has chaired and organized many technical sessions and workshops, nationally and internationally. And, more recently, Jérémie Voix was the general chair of the highly successful ICSV congress that was held two months ago in Montreal.*

*Jérémie Voix has served the Canadian Acoustical Association at many levels. He was editor of their journal for several years, overseeing the transition into an online publication. He has served on their Board. Currently, he is President of the CAA.*

*It has been a long journey for a teenager in northern France making his own loudspeakers to this stage here as winner of the ICA Early Career Award. It will be interesting to see where Jérémie Voix goes from here.”*

After this introduction and a warm handshake from ICA President Michael Taroudakis, the Award Ceremony closed on a word from Prof. Voix, thanking the Canadian Acoustical Association for its support of his candidacy and highlighting that this is now two presidents of the CAA in a row that have received the triennial award -- his colleague Prof. Frank A. Russo was the 2016 award winner. He also encouraged young acousticians to get involved in this professional organization, volunteer here and there, etc., and they may have one day such a good surprise! ;-)

## References

- [1] ICA - Early Career Award; Retrieved from <http://www.icacommission.org/eward.html>, 22 October 2019
- [2] ICA - Early Career Award – Past Recipients; Retrieved from <http://www.icacommission.org/eward.html>, 22 October 2019

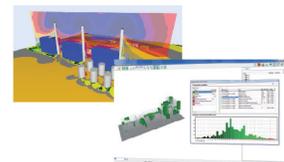
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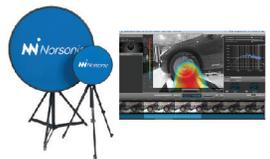
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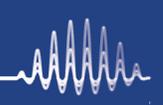
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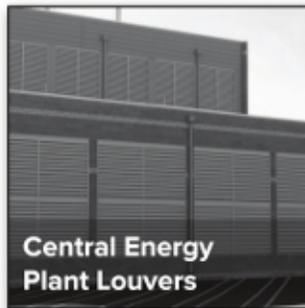
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