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1. Message from the Director

Dear Friends and Members of the Words in the World Partnership,

We are delighted to be sharing our latest news and updates with you in this March 2018 Newsletter. We are extremely excited by the projects that are underway and by our new upcoming events and opportunities.



Meeting of the Canadian Leadership Team, January 2018

The Words in the World Partnership strives to develop structures and opportunities for the next generation of research leaders and to create social impact through partnership within and beyond academic sectors. In this March

2018 Newsletter, we introduce three new sections that are directly related to these goals.

This first new section is an Accelerator Committee Highlight. In the Training Acceleration Committee's brief report, Co-chairs Lori Buchanan and Juhani Järvikivi introduce the 2018 Trainee Focus Group, whose work in this calendar year will create enduring new advantages for students and trainees throughout our broader community.

The second new section is a Partner Highlight, through which we can celebrate the activities and achievements of Partner Organizations and, in so doing, highlight the extraordinary breadth of innovation and engagement across the network.

In the new "From the History Corner" section, we share the intellectual and technical achievements of the past that have enabled the opportunities of the present. We begin this series with the nineteenth century advances of F.C Donders in setting the stage for modern response time research in the study of mental activity. Finally, talking about time, this issue of the newsletter precedes some key deadlines. These include the deadline for abstract submission for International Conference on the Mental Lexicon in Edmonton and the registration deadlines for Spring Training in Psycholinguistics in Edmonton and the EEG workshop in Niagara. All of these are detailed in the event announcements below.

2. Report from the Training Accelerator Committee

i) Event Live Feeds

The first two in the series of Words in the World event live feeds were launched and broadcast via Facebook Live, starting with the Edmonton WoW trainee organized workshop *Current Approaches to Morphology* in December 2017, and closely followed by the L2 Vocabulary Workshop offered by Dr. Aline Godfroid (Michigan State University), organized by Victor Kuperman and The Reading Lab at McMaster University.

ii) Words in the World Trainee Focus Group

The recently launched *International Association of Post-Doctoral and Student Researchers* is now complemented by the new *Words in the World Trainee*

Focus Group. The Focus Group will act as the liaison between Words in the World trainees and the organizing body with the aim of researching training needs, innovating and organizing student lead training events, and informing students about training initiatives.

Come meet the Focus Group members at STEP:

Nancy Azevedo (Postdoctoral fellow, Université de Montréal, CRIUGM and McGill University, CRIR)

Christie Brien (Postdoctoral fellow, McGill University, CRIR and Université de Montréal, CRIUGM)

Abbie Coy (Postdoctoral fellow, Brock University)

Constance Imbault (PhD student, McMaster University)

Abigail Toth (MSc student, University of Alberta)

Daniela Wong Gonzalez (PhD student, University of Windsor)

3. Current Opportunities

i) The 2018 Mental Lexicon Conference

The next International Conference on the Mental Lexicon will be held Sept. 25 – 28, 2018 in Edmonton, Alberta, Canada. The conference is now open to abstract submissions. Submissions will remain open until April 13, 2018. To view the call for abstracts, visit <https://goo.gl/Td5o3H>. We hope you will be able to join us for this landmark year!

ii) STEP@CCP 2018 & Registration Competition

It's STEP@CCP time again! The Centre for Comparative Psycholinguistics' annual Spring Training in Experimental Psycholinguistics will take place in Edmonton on May 14-19, 2018. This year's line-up boasts Debra Titone (McGill), Emmanuel Keuleers (Tilburg), and Harald Baayen (Tübingen), among others. This year's theme is individuals and masses, but courses also include more traditional STEP offerings. As a special new addition to STEP, we will for the first time offer Certification for the Introductory R and Linear Mixed Modeling courses. Check out the full program and register at <https://goo.gl/UZZ5Gx>.

Words in the World is pleased to announce the 2018 STEP Competition. Trainees of Words in the World Partners and Collaborators are invited to submit an original research abstract of interest to the Psycholinguistics community.

The top 5 submissions will receive support towards their attendance in the Spring Training in Experimental Psycholinguistics at the University of Alberta in Edmonton, AB, May 14 - 19, 2018. Contestants can submit entries to wordsintheworldgrant@gmail.com as of Monday, March 5, at 4PM (EST), until the contest closes on Friday, April 13, at 4PM (EST). For more information, view the competition announcement on the Words in the World website at <https://goo.gl/z31JT6>.

iii) Brock University & SHARCNet: EEG Analysis Workshop & Registration Competition

The [2018 Annual EEG/ERP Workshop on Advanced Methods](#), organized by Dr. Sid Segalowitz, will be held at Brock University from April 23-27, 2018. This workshop is designed to give researchers who are familiar with ERP projects an opportunity to get hands on experience exploring advanced EEG analysis methods in a collaborative setting. See more details and register for the EEG Analysis Workshop at <https://goo.gl/pLtsk7>.

The Words in the World Partnered Research Training Initiative is pleased to announce the 2018 Annual EEG/ERP Workshop on Advanced Methods competition. Trainees of Words in the World Partners and Collaborators are invited to submit an original research abstract of interest to the Psycholinguistics community. The top 5 submissions will receive funding towards their attendance in the Annual EEG/ERP Workshop on Advanced Methods at Brock University in St. Catharines, ON, Apr 23-27, 2018. Contestants can submit entries to wordsintheworldgrant@gmail.com as of Monday, March 5, at 4PM (EST), until the contest closes on Friday, April 13, at 4PM (EST). For more information, see the contest announcement at <https://goo.gl/5gNeZ9>.

iv) Postdoctoral Positions (2) at the University of Alberta

The Department of Psychology at the University of Alberta is seeking two postdoctoral research fellows for one year appointments, to start no later than August 30, 2018. For more information, view the announcement here: <https://goo.gl/t4fU8k>.

4. Highlighted Partner: ARiEAL

[The Centre for Advanced Research in Experimental and Applied Linguistics](#)

(ARiEAL) is an interdisciplinary research centre housed within the Department of Linguistics and Languages, Faculty of Humanities at McMaster University. The centre was founded in 2016 to foster research into language, cognition, and brain function with strong collaboration across multiple disciplines. Expertise among members of ARiEAL is varied, with specializations ranging from cognitive neuroscience and brain imaging to linguistics and speech language pathology.

ARiEAL and WoW share a similar vision and have an ongoing collaborative relationship. Words in the World co-Principal Investigator, and member of the WoW Canadian Leadership Team, Dr. Victor Kuperman is an ARiEAL Researcher and Dr. Sid Segalowitz, also a WoW co-Principal Investigator and member of the WoW Canadian Leadership Team is a current member of the ARiEAL inaugural Scientific Advisory Committee. This formal partnership solidifies ARiEAL's collaboration with WoW in advancing the next generation of research leaders through training, collaboration, innovation and mobilization.

In a current collaboration, Prof. John Connolly (ARiEAL) and Dr. Victor Kuperman (WoW and ARiEAL) are co-supervising McMaster PhD trainees Gaisha Oralova and Rober Boshra in the development of a research project that will co-register the brain signals (EEG) and eye-movements during reading. The focus of the project is on how orthographic errors in Chinese affect recognition of correctly and incorrectly spelled Chinese words. The technologically challenging co-registration of the behavioral and neurophysiological signals will enable junior researchers to achieve an unprecedented accuracy and temporal resolution in characterizing cognitive processes of word recognition in a logographic language. We look forward to many more collaborative opportunities in the years to come!

5. From the History Corner

Brought to you this month by Gary Libben & Sid Segalowitz

*“The idea occurred to me to interpose into the process of physiological time some new components of mental action. If I investigated how much this would lengthen the physiological time, this would, I judged, reveal the time required for the interposed term.” --
Donders, 1868.*



It may seem intuitively obvious to us now that measuring response time is a good way to learn about the underpinnings of mental processing, but the chronometric approach to the study of mental processing is only about 150 years old. In 1869, Franciscus Cornelius Donders reported on a method that allowed chronometry to be used to probe the mental components of cognition. This followed the important demonstration by Hermann von Helmholtz in 1850 that nerve conduction is not instantaneous or at the speed of light, but rather relatively slow. This defeated the common thinking at the time that thought could never be examined scientifically because it could not be timed. His technique involved the comparison of the time taken to perform a simple recognition task with the time taken to perform a discrimination task with comparable stimuli. This method, called the subtraction method, provides a conceptual underpinning for a good deal of current psycholinguistic response time research. This model assumes thought processes are purely additive, and we now know that complex thinking involves overlapping or parallel processing. Nevertheless, Donders' idea caught on and ushered in a new era of research in human information processing. It also demonstrated the breadth of scientific thinking in 19th Century researchers, as for Donders this was a side hobby, and he went back to his pioneering work in ophthalmology and the treatment of astigmatism.

The present-day Donders Institute for Brain, Cognition and Behaviour in Nijmegen, The Netherlands, is a world-class research centre devoted to understanding the mechanistic underpinnings of human cognition and behaviour in health and disease. This year, the Donders Institute is celebrating the 200th anniversary of the birth of Franciscus Cornelis Donders.

If you have something you would like to include in the next newsletter, please contact us at info@wordsintheworld.ca, or visit us at www.wordsintheworld.ca.



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