Society for Mathematical Psychology 2020 Newsletter

Executive Committee Members
Society President: Pernille Hemmer (Rutgers University, USA)
Past President: Jennifer Trueblood (Vanderbilt University, USA).
Elected Members: Clintin Davis-Stober (University of Missouri, USA)
                            Chris Donkin (University of New South Wales, Australia)
                            Joseph Houpt (Wright State University, USA)
                            Dora Matzke (University of Amsterdam, The Netherlands)
 Appointed Members
   Secretary-Treasurer: Leslie Blaha (Air Force Research Laboratory, USA)
   Conference Chair: Joachim Vandekerckhove (University of California - Irvine, USA)
   Computational Brain & Behavior **Editor-in-Chief:** Scott Brown (University of Newcastle, Australia)
   Journal of Mathematical Psychology **Editor-in-Chief:** Adele Diederich (Jacobs University, Germany)
   FABBS Representative: Robin Thomas (Miami University, USA)
   European Mathematical Society Representative: Hans Colonius (Oldenburg University, Germany)

Message from the President

Dear Colleagues,

As President of the Society for Mathematical Psychology (SMP), I am writing on behalf of the Executive Committee of SMP and the leadership of the International Conference on Cognitive Modelling (ICCM) to update you on the COVID-19 pandemic impact on the 53rd Annual Meeting of the SMP, and the 18th Annual Meeting of the ICCM.

It is now clear that it will not be possible for us to hold our annual conference in Toronto this year. We have not taken this unprecedented decision lightly. However, for the health and safety of our membership, and given the newly instituted closure of public events in Toronto through June 2020, and the cancellation of the Cognitive Science Conference we strongly believe this to be the right decision.

Although we are disappointed about not being able to host a physical meeting this year, we are excited about the possibilities of hosting the conference through alternative venues, such as a virtual meeting. **We will announce further details in the coming weeks**. At this time our submission portal remains open at http://mathpsych.org/conferences/2020/

We remain fully committed to making sure the award winners for 2020 will still receive their much-deserved recognition. This includes *William K Estes EARLY CAREER AWARD* winners Dora Matzke and Joseph Austerweil, *Society for Mathematical Psychology SENIOR FELLOW AWARD* winner Jean-Claude Falmagne, *R. Duncan Luce OUTSTANDING PAPER AWARD* (the Journal of Mathematical Psychology) TBD, and *Computational Brain & Behavior OUTSTANDING PAPER AWARD* TBD. **We will announce further details in the coming weeks.**

We thank our conference chair, Joachim Vandekerckhove, and Secretary/Treasurer Leslie Blaha for their tremendous efforts in these difficult times.

If you have any questions or concerns these can be directed to the Society Conference Chair, Joachim Vandekerckhove or the Society President, Pernille Hemmer at conferencecommittee@mathpsych.org

Sincerely,
Pernille Hemmer, President SMP

William K. Estes Early Career Award Winners

Congratulations to Dora Matzke (University of Amsterdam) and Joseph Austerweil (University of Wisconsin), this year's recipients of the William K. Estes Early Career Award! Both Dora and Joe will give plenary talks at a time to be announced.

Submit your nominations for the William K. Estes Early Career Award for 2020 using the enclosed nomination instructions. Nominations should be submitted via email to Leslie Blaha (info@mathpsych.org) before 8 May 2020.

SMP Senior Fellow Award

Congratulations to Jean-Claude Falmagne (University of California, Irvine), recipient of the first SMP Senior Fellow Award. The Senior Fellow Award honors a member of the Society for Mathematical Psychology for their lifetime contributions to the field of mathematical psychology. Join Jean-Claude for a "Conversation with a Senior Fellow" at a time to be announced.

Submit your nominations for the SMP Senior Fellow Award for 2020 using the enclosed nomination instructions. Nominations should be submitted via email to Leslie Blaha (info@mathpsych.org) before 8 May 2020.

More information about the SMP Awards is online here.

Membership Dues, Joining the Society, Email Address Updates, Donations

To join the society, go to www.mathpsych.org and click on the JOIN link.
New members should email the Secretary-Treasurer (*info@mathpsych.org*) with their mailing address using the mailing address form located at the JOIN link.

To renew your membership or submit a donation or submit a change of address, click on the Dues & Donations link. The cover letter in this packet provides important information regarding your current membership status in the Society!

> **Please Note:** It is extremely important that you pay your dues in a timely manner as these *funds are used not only to reduce conference participation costs for all members of the society but are also used to provide significant fee reductions for student members.* Please indicate when paying for several years whether you wish to pay for previous years or future years. The society is a federally recognized tax-exempt organization under IRC 501(c) 3. An official receipt for income taxes can be provided by emailing Leslie Blaha at: *info@mathpsych.org*.

To add yourself to the SMP listserv, click on the Mailing List link at www.mathpsych.org.

SMP is on Social Media
Follow SMP online.
WEB: www.mathpsych.org
FACEBOOK: https://www.facebook.com/MathPsych/
TWITTER: @SOCMATHPSYCH

Women of Math Psych is on Social Media
Follow WoMP online.
WEB: http://www.mathpsych.org/wmp
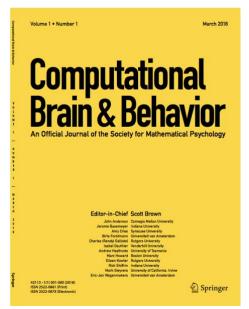FACEBOOK: https://www.facebook.com/WomenOfMathPsych/
TWITTER: @WoMPTweets

Computational Brain & Behavior, Editor-in-Chief: Scott Brown

Computational Brain & Behavior is now in its third year of publication. The journal covers a wide range of topics using computer simulation, mathematical modelling, and empirical work. CB&B emphasises scientific rigour, and the insights that quantitative modelling can provide. We strongly encourage innovation in the content and format of the articles. As well as high-quality original manuscripts, we also invite proposals for special issues, which are groups of articles on a specific theme. The scope of potential topics for special issues is extremely broad. To suggest a topic for a special section, or to nominate yourself to organise one, please contact the editor Scott Brown (scott.brown@newcastle.edu.au).

In 2019, we published two special issues. One had a back-and-forth debate format, with a target article by Quentin Gronau and E-J Wagenmakers, which discussed cross validation as a model selection method, followed by three detailed response articles (authored by Suyog Chandramouli, Rich Shiffrin, Aki Vehtari, Daniel P. Simpson, Yuling Yao, Andrew Gelman, and Danielle Navarro). The other special issue was a double issue with 25 articles all addressing different aspects of what it means to be "robust" and "reproducible", for research based on quantitative modelling. The diversity of opinion and contributors was a key strength in that issue.

The first issue of 2020 is already out. This is a regular issue catching up on our backlog of great standard-format research articles (https://link.springer.com/journal/42113/3/1). Also, in 2020 we will have another special issue, led by Brandon Turner, Zhong-Lin Lu, and Mark Steyvers, on the topic of joint models of neural and behavioural data. Keep an eye out for this interesting work in *CB&B*.

If you have questions about your own work which you might want to submit as a manuscript, or suggestions for other kinds of manuscripts you would like to see more of in this journal, please contact the editor (scott.brown@newcastle.edu.au).

Remember, all articles published in CB&B continue to be freely available through 2020!

For more details, see the journal's website, or follow our progress on Facebook or Twitter:
WEB http://www.springer.com/psychology/cognitive+psychology/journal/42113
FACEBOOK https://www.facebook.com/CompBrainBeh/
TWITTER @CompBrainBeh

Computational Brain & Behavior Outstanding Paper Award

Congratulations to 2019 recipients Anselm Rothe, Brenden Lake, and Todd Gureckis. The award was given for their 2018 paper "Do People Ask Good Questions?" *Computational Brain & Behavior, 1*, 69-89.

Submit your nominations for the 2020 Computational Brain & Behavior Outstanding Paper Award via email to Leslie Blaha (info@mathpsych.org) before 8 May 2020. Nominations should include exact title, authors, and publication date in Computational Brain & Behavior. Papers published in the years 2018-2020 are eligible.

R. Duncan Luce Outstanding Paper Award

Congratulations to 2019 recipients Michael Kalish, John C. Dunn, Oleg P. Burdakov, and Oleg Sysoev. The award was given for their 2016 paper "A Statistical Test of the Equality of Latent Orders." *Journal of Mathematical Psychology*, *70*, 1-11.

Submit your nominations for the 2020 R. Duncan Luce Outstanding Paper Award via email to Leslie Blaha (info@mathpsych.org) before 8 May 2020. Nominations should include exact title, authors, and publication date in the Journal of Mathematical Psychology. Only papers published in the years 2017-2020 are eligible.

Journal of Mathematical Psychology, Editor-in-Chief: Adele Diederich

The *Journal of Mathematical Psycology* welcomes three new members to the Editorial Board: Daniel Heck, Ian Kraibich and Konstantinos Katsikopoulos. Thank you all for your service to the journal!

JMP continues to publish articles, monographs and reviews, notes and commentaries, and book reviews in all areas of mathematical psychology. Empirical and theoretical contributions are equally welcome. Areas of special interest include, but are not limited to, fundamental measurement and psychological process models, such as those based upon neural network or information processing concepts. A partial listing of substantive areas covered include sensation and perception, psychophysics, learning and memory, problem solving, judgment and decision-making, and motivation.

Consider contributing to a special issue of *Journal of Mathematical Psychology*!
Computational and Mathematical Approaches to Multisensory Integration: Theory and Models
Guest Editors: Hans Colonius, Cristiano Cuppini
https://www.journals.elsevier.com/journal-of-mathematical-psychology/call-for-papers/computational-mathematical-approaches-multisensory
Deadlines: Submissions open March 1, 2019
Paper submissions due April 1, 2020

Coming soon The call for papers for a special issue on knowledge spaces led by Juergen Heller is opening soon. Keep an eye out for more details at https://www.journals.elsevier.com/journal-of-mathematical-psychology/call-for-papers

If you have questions about work you might want to submit as a manuscript, ideas for special issue topics, or suggestions for other kinds of manuscripts you would like to see more of in JMP, please contact Editor Adele Diederich.

For more details, see the journal's website, or follow Elsevier Psychology on Facebook or Twitter:
WEB https://www.journals.elsevier.com/journal-of-mathematical-psychology
FACEBOOK https://www.facebook.com/elsevierpsychology
TWITTER @ELSpsychology

News from Affiliated Groups

European Mathematical Psychology Group
The annual meeting of the European Mathematical Psychology Group (EMPG 2020) will be held at the Department of Psychology and Cognitive Science at the University of Trento, Rovereto, Italy, from 24-26 August 2020. Abstract submission closes 26 April 2020. Further information can be found on the website: https://event.unitn.it/empg2020/

Australasian Math Psych Conference
The annual Australasian Mathematical Psychology Conference was held 12-14 February 2020 in Sydney Australia. More information, including the program, can be found on the conference website.

Do you shop on Amazon?
Consider giving back to SMP by shopping
https://smile.amazon.com/ch/36-2937584

MathPsych/ICCM 2020

Unfortunately, due to the COVID-19 global pandemic situation, it will not be possible to hold the joint 53rd Annual Meeting of the Society for Mathematical Psychology and 18th International Conference on Cognitive Modeling, as planned, ~~25-28 July 2020 in Toronto.~~

The conference committees of both groups are working hard on alternative plans. Keep an eye on www.mathpsych.org/conferences/2020 for updates and information. Or if you have not already, join the SMP listserv to receive all the relevant announcements.

We are working hard to find a way to recognize our annual award winners!
- **Dora Matzke** (University of Amsterdam, Estes Early Career Award Recipient)
- **Joseph Austerweil** (University of Wisconsin, Estes Early Career Award Recipient)
- **Jean-Claude Falmagne** (University of California – Irvine, Senior Fellow Award Recipient)

And we hope to find a way to virtually host our Selected Symposia:
- **Perspectives on "What Makes a Good Theory"**
  Organizers: Iris van Rooij & Chris Donkin
- **Optimal Experimental Design: Developments & Applications**
  Organizers: Filip Melinscak, Jay Myung & Mark Pitt
- **Computational Model-Based Cognitive Neuroscience**
  Organizer: Percy Mistry

Stay tuned to www.mathpsych.org/conferences/2020 **for updates!**

MathPsych/ICCM 2020 Call for Submissions
Extended Deadlines ~~17 April 2020~~
Please visit www.mathpsych.org/conferences/2020 to submit your papers and abstracts Due to the combined nature of the conference, we welcome the following types of submissions:
- **MathPsych Abstracts due 1 May 2020**
  - Brief 250-word abstracts for talks and posters
- **ICCM Submissions due 8 May 2020**
  - 6-page papers for talks in the ICCM strand of the conference
  - 2-page extended abstracts for posters in the ICCM strand of the conference
  - 2-page proposals for ICCM tutorial/workshop for the pre-conference day

See http://mathpsych.org/conferences/2020/ for formatting details and templates.

Note that while we are working on alternative conference plans, the submission portal remains open. Make sure you join the MathPsych listserv to get update on plans and deadlines.

CALL FOR E-MAIL NOMINATIONS

William K. Estes Early Career Award (2020)

The Society for Mathematical Psychology is soliciting nominations for the William K. Estes Early Career Award to be given for exceptional published research in the field of mathematical psychology by an early career researcher. "Early career researcher" is intended to include individuals who are either students or are no more than eight years beyond the Ph.D. at the time of nomination. Publications dated 2012 or later will be considered. The award is to be given for a body of work in the field of Mathematical Psychology. Single-authored publications are given the most weight, but the committee may consider nominees who have been first author on more than one publication. The person nominated need not be a member of the Society. Self-nominations will not be considered.

The winner will be selected by a special committee appointed by the Executive Committee; the selection committee normally is chaired by the Society's President. The winner will be announced later in 2020. The recipient will receive a $250 tax-free award, plus up to $1,000 in travel costs and will be invited to make a presentation at a future meeting of the Society.

Nominations should be sent via e-mail by the deadline date of May 8, 2020 and should include:
    (1) a one-page summary of the significance of the research,
    (2) a current CV,
    (3) a recommendation letter from the nominator, and
    (4) a letter from nominee stating he or she consents to be considered for the award.

Please submit all materials to Secretary/Treasurer *Leslie Blaha* via EMAIL to the email address: info@mathpsych.org with subject header: *2020 Early Career Award Nomination <nominee name>.*

Past Early Career Award Winners include: Joseph Austerweil (2019), Dora Matzke (2019), David Kellen (2018), Jennifer Trueblood (2017), Joseph Houpt (2016), Chris Donkin (2015), Brandon Turner (2015), Joachim Vandekerckhove (2014), Wolf Vanpaemel (2013), Clintin P. Davis-Stober (2012), Charles Kemp (2011), Janne Kujala (2010), Tom Griffiths (2009), Scott Brown (2008), Danielle Navarro (2007), Eric-Jan Wagenmakers (2006), Josh Tenenbaum (2005), Marc Howard (2004), Michael Lee (2003); George Karabatsos (2002); David Huber (2001), Michel Reggenwetter (1999), Robin Thomas (1998), Adele Diederich (1997), Jerry Balakrishnan (1996), Jay Myung (1995), Zygmund Pizlo (1994), Michael D'Zmura (1993), Peter Wakker (1991), Rami Zwick (1990), Theodore Alper (1989), Michael Rudd (1988), and Robert Nosofsky (1987).

http://www.mathpsych.org

CALL FOR <u>E-MAIL</u> NOMINATIONS

Senior Fellow Award(2020)

The Society for Mathematical Psychology is soliciting nominations for the Senior Fellow Award, which honors a member of the Society for Mathematical Psychology for their lifetime contributions to the field of mathematical psychology. Contributions can be in the any of the following areas:

- Contributions in the mathematical modeling of psychological phenomena.
- Mentorship of students, faculty, and others, with a particular focus on advancing the field of mathematical psychology.
- Service that has advanced the field of mathematical psychology.

The 2020 awardee will be announced later in 2020. The awardee will be asked to take part in a "Conversation with the Senior Fellow" general assembly at the 2021 meeting where the awardee will be interviewed and recognized by a commemorative plaque. Questions will focus on his/her work, the history of the field, and the trajectory of the field. The interview will be recorded and shared on the society's website (with the awardee's permission). Travel and registration for the awardee will be covered by the Society.

Eligibility
Recipients must be members of the Society of Mathematical Psychology.

Nomination Procedures
Nominations must be made by an active member of the Society for Mathematical Psychology. The nomination must be submitted electronically to the Secretary by the deadline. Nominations must include:

- The nominee's current C.V.;
- Two letters of nomination no more than two pages each. One of the letters should come from the nominator and one from another member of the Society;
- Letter from the nominee stating they consent to be considered for the award and will plan to attend the 2021 SMP meeting for the Conversation with a Senior Fellow event;
- The name(s) of suggested interviewer(s) for the Conversation with the Senior Fellow event at the 2021 SMP meeting.

Self-nominations are not permitted. Each year, the selection committee will continue to consider previously submitted nominations. The committee invites updates to existing nominations as well as new nominations.

Please submit all materials by May 8, 2020 to *Leslie Blaha* via EMAIL to the email address: info@mathpsych.org with subject header: *2020 Senior Fellow Award Nomination <nominee name>*.

http://www.mathpsych.org

![Society for Mathematical Psychology]

CALL FOR <u>EMAIL</u> NOMINATIONS

Computational Brain & Behavior
Outstanding Paper Award (2020)

The Society for Mathematical Psychology presents an annual award for the most outstanding paper published in the journal *Computational Brain & Behavior* in the preceding three years.

For the 2020 award, publications dated 2018 - 2020 will be considered (dated back to the launch of the journal). Nominations should include exact title, authors, and publication date *Computational Brain & Behavior*. The authors nominated need not be members of the Society. Self-nominations will not be considered.

The winner will be selected by a special committee appointed by the Executive Committee and in consultation with the Editor of *Computational Brain & Behavior*. The winner will be announced later in 2020.

Please submit all materials by May 8, 2020, to Secretary/Treasurer *Leslie Blaha* via EMAIL to the email address: info@mathpsych.org with subject header: *2020 CBB Outstanding Paper Award Nomination* <nominee name>.

Previous *Computational Brain & Behavior* Outstanding Paper Award Winners are listed online here.

The Computational Brain & Behavior Outstanding Paper Award is sponsored by Springer

![Springer logo]

http://www.mathpsych.org

CALL FOR <u>EMAIL</u> NOMINATIONS

R. Duncan Luce Outstanding Paper Award (2020)

The Society for Mathematical Psychology presents an award annually for the most outstanding paper published in the *Journal of Mathematical Psychology* in the preceding three years. The award is named after R. Duncan Luce, recognizing his founding role in the field of mathematical psychology, and in our Society and the journal.

For the 2020 award, publications dated 2017 - 2020 will be considered.
Nominations should include exact title, authors, and publication date in the *Journal of Mathematical Psychology*.
The authors nominated need not be members of the Society.
Self-nominations will not be considered.

The winner will be selected by a special committee appointed by the Executive Committee and in consultation with the Editor of the *Journal of Mathematical Psychology*. The winner will be announced later in 2020.

Please submit all materials by May 8, 2020, to Secretary/Treasurer *Leslie Blaha* via EMAIL to the email address: info@mathpsych.org with subject header: *2020 Luce Outstanding Paper Award Nomination <nominee name>.*

Previous R. Duncan Luce Outstanding Paper Award Winners are listed online here.

The R. Duncan Luce Outstanding Paper Award is sponsored by Elsevier Inc.

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