



Division of Applied Experimental and Engineering Psychology

Division 21 of the American Psychological Association

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Message from the President

Robert Proctor

I'd like to welcome all Division 21 members to the Summer Newsletter for 2018. We and APA have had a busy year, and this issue of the newsletter provides an update for you.

First, I am glad to announce our new members of the Executive Committee for 2018 to 2019:

- Kim Vu, President-Elect
- Nathan Ward, Member-at-Large
- Shawn Doherty, Program Chair 2019 Meeting

On April 5-7, APA held an interdisciplinary conference, Technology, Mind & Society, which provided a venue for reporting and assessing current efforts to understand and shape the interactions of human beings and technology, for identifying priorities for future work, and for promoting exchange and collaboration among participants. The conference was successful, and a similar conference is planned for the spring of 2020. I served on the Steering Committee that organized the conference, and the Senior Program Committee included Division 21 members Wally Boot, Jing Chen, Nancy Cooke, Peter Hancock, Jerry Krueger, Dan Morrow, and Kim Vu. Members of Division 21 on the Review Committee included Beth Blickensderfer, Neill Charness, Sara Czaja, Jing Feng, Anne McLaughlin, Richard Pak, and Scott Shappell. The division was well-represented in talks and posters. A summary of





the conference, including the program and proceedings papers, is available at <https://pages.apa.org/tms/>.

The Division has been working with APA member services in an attempt to increase membership. Surveys were sent out to both current and former members. All were asked to identify benefits that would add value to membership and what would improve their experience. Current members were also asked about the benefits of membership they most valued and whether they were satisfied with the level of communication within the division. The APA Membership Manager will discuss the results with Division 21 leadership in the near future.

APA Council voted in favor of an expanded APA advocacy model this past spring. The model calls for a portion of APA to remain as a 501(c)3 organization (tax exempt) and the formation of a 501(c)6 organization, the proposed name of which is the APA Institute for Psychology (APAIP). This effort is designed to expand lobbying and advocacy efforts beyond what a “c3” is allowed. It will also permit APA to form a PAC under the new organization. The model was opposed by Division 21 leadership, and our representative, Dave Schroeder, voted against it. In April, the APA President, Dr. Jessica Henderson Daniel, appointed a Presidential Workgroup to provide input into the design and implementation of the new governance structure. At the June 20 meeting the work group recommended that 60% of the allocation of the 2019 dues should go to the c6 and 40% to the c3. Of the potential benefits, there is limited reference to how this would support science. Representatives from the group of science divisions have sent two emails to the APA President and workgroup expressing our concerns and recommending that additional time is needed to clarify some of the issues and concerns. Concerns were also expressed regarding a lack of representation in the workgroup for divisions operating at the intersection of research and applied psychology. Consequently, Dr. Arthur Evans, Jr., the CEO has organized an Applied Psychology Kitchen Cabinet advisory committee, for which I was invited to be a member. The committee has held two conference call meetings, and others will be scheduled in the near future. Dr. Evans mentioned that he worked in a Human Factors position in the past and emphasized that he is committed to understanding the issues of concern to our division and others that are at the border of research and application. He has assured the committee members that the process followed by the Presidential Workgroup will be open, with opportunities for input from all APA members. If you have any issues or concerns that you think should be brought to Dr. Evans' attention, please contact me or Dave Schroeder.

Kim Vu and I are co-editing a special issue of the *American Psychologist* titled “Multidisciplinary Research Teams: Psychologists Helping to Solve Real-World Problems”. This issue is an outgrowth of a symposium on the same topic held at the annual APA meeting last August. The purpose of the issue is to highlight the types of team research that have been conducted with psychologists as integral members of the team. Papers will focus on the composition of the multidisciplinary team, highlighting how each component contributes to solving real-world problems and emphasizing the process and issues involved in conducting the research. Manuscripts were invited from initial short proposals submitted in February and are currently in the review process. The issue is intended to be completed in December of this year, with publication in 2019.



Finally, we have an excellent program for the 2018 APA convention in San Francisco, CA, August 9-12. The meeting provides an opportunity to attend interesting sessions and interact with members of Division 21 and other divisions. We think that all participants will come away feeling that their attendance was well worth the time. Below are notes from the program chair, which includes mention of an APA poster competition, and the Division 21 program listing. We urge you to socialize with your colleagues at the Division dinner on Friday night, details of which are described below. Lastly, there is a flyer for a Thursday night Happy Science Hour, which we encourage you attend, in which our division is one of several that are participating, and this flyer is followed by a call for membership.

Notes from the Program Chair

Kim-Phuong L. Vu

Welcome to San Francisco! This year we have an exciting lineup of invited talks, symposia and posters that represent a variety of areas of research, and professional development and outreach activities promoted by members of Division 21.

Congratulations to our award winners. Jing Chen (Brigg's Dissertation Award) will present her work on task framing effects). Walter Boot (Alluisi Early Career Award) will provide an overview of his research on designs to promote safety and well-being of older adults. Mary Hegarty (Nickerson Best Paper Award from *JEP: Applied*) has an exciting talk on the effects of uncertainty on location judgments.

The Presidential address by Robert Proctor will highlight the contributions of applied experimental and engineering psychology in the information age. And this year, we have two Division 21 Presidential Invited talks by APA Fellows! Peter Hancock talk on the evaluation of practical utility of consciousness, and Alice Healy will highlight her research on training principles.

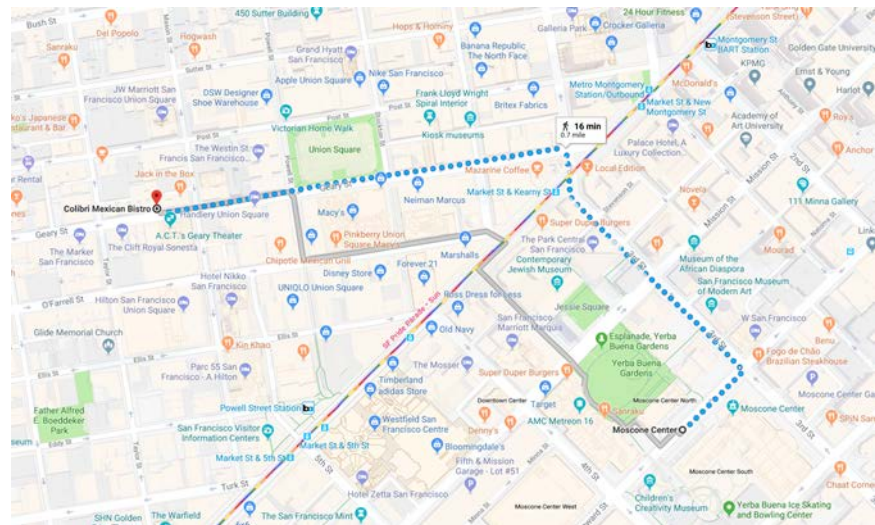
Don't forget to join Anne McLaughlin and Chris Wickens for a conversation hour on models of attention and task-switching and what rock climbing can tell us about attention and expertise.

On Friday morning, we will start with the Division 21 poster session. Come meet and interact with the presenters and then head over to the symposium chaired by Gabriella Hancock on "Places you could go" to learn about jobs for candidates with applied psychology degrees.

The Division 21 program ends with an exciting symposium title, "From Lab Managers to APA Division Presidents---Women Leaders Connecting People With Technology".

Division 21 members are also invited to attend the Division dinner on Friday evening at Colibri Mexican Bistro on 438 Geary Street at 6:30 pm (right after the Division 21 Business meeting). Please RSVP:

Kim.Vu@csulb.edu by August 1, 2018.



This year, Division 21 will be participating in a new event sponsored by APA called the “Science at Sunset Poster Competition”. Division 21 poster presenters were invited to submit their posters for this competition by emailing the program chair a pdf file of the poster that is to be presented at the APA convention by July 6th. The Division will be selecting 2 winners to represent us at the “Science at Sunset” reception to be held on Saturday, August 11, 2018 at 4:00 p.m. to 5:30 p.m. The two winners will be notified by July 15th, and their posters will be forwarded to the APA Science at Sunset Poster Competition (see details below). Division 21 will provide both poster winners with a certificate. In addition, the first author of the student poster will receive a \$200 award. APA will also provide the winners of the Science at Sunset Poster Competition with cash prizes (\$2,000 APA Student Affiliate/APAGS member; \$3,000 APA member).

From APA:

“Science at Sunset Poster Competition”, that will be taking place at APA 2018 Convention in San Francisco.

- APA judges will evaluate and score posters before the Convention
- Criteria for voting:
 - o Makes a contribution to the field
 - o Highly innovative and/or creative
 - o Design and analyses supports the research question/topic
 - o The approach/methodology is well articulated.
 - o The conceptual/theoretical framework supports the research question(s) and/or topic.
 - o Interpretations clearly match evidence and research question(s) and/or topic.
 - o Visually clear and understandable
 - o Visually has aesthetic appeal
- All posters that are selected by Divisions will need to be presented at our “Science at Sunset” reception to be held on Saturday, August 11, 2018 at 4:00 p.m. to 5:30 p.m. in Halls ABC, Exhibition Level-South Building, Moscone Center
- Winners will be announced at 5:15 p.m.



Division 21 Program for APA 2018, August 9-12, San Francisco, CA

Thursday, August 9

Executive Committee Meeting

MM Sierra Room G

8am-8:50am

Invited Address: Briggs Dissertation Award: Role of Accentuation in the Selection and Rejection Task Framing Effect

Moscone Center Room 2000

10am-10:50am

Dr. Jing Chen

Invited Address: Alluisi Early Career Award: Design to Promote the Safety, Independence, and Well-Being of Older Adults

Moscone Center Room 3002

11am-11:50am

Dr. Walter R. Boot

Co-Sponsored Symposium: Technology's Contribution to Environmental and Community Sustainability

Moscone Center Room 3004

12pm-12:50pm

Organizer: Dr. Patricia Winter

Invited Address: Division 21 Presidential Invited Talk: Emergent Properties Possess No Privilege: An Evaluation of the Practical Utility of Consciousness

Moscone Center Room 3000

1pm-1:50pm

Dr. Peter Hancock

Invited Address: Nickerson Best Paper Award: Where Are You? The Effect of Uncertainty and Its Visual Representation on Location Judgment in GPS-Like Displays

Moscone Center Room 3012

2pm-2:50pm

Dr. Mary Hegarty

Conversation Hour: Models of Attention and Task Switching on a Dynamic, Safety-Critical Environment – What Rock Climbing Can Tell Us About Attention and Expertise

Moscone Center Room 3012

3pm-3:50pm

Drs. Anne McLaughlin & Christopher Wickens

Friday, August 10

Poster Session

Moscone Halls ABC

9am-9:50am

Nerea Almeda, Use of a Multiregional Model of Community Mental Health Care to Support Decision-Making Process

Kristina V. Davtyan, Understanding Cybersecurity Decision Making Through Knowledge Elicitation Techniques

Jeremy A. Lopez, Component-Specific Trust in Voiced Multiagent Systems

Renato F.L. Azevedo, Evaluating Computer Agents for Patient Comprehension of Medication Information

Adam S. Mouloua, The Effects of Computer User Handedness on a Mouse-Clicking Task

Daniel B. Quinn, Individual Differences in Perceptions of Autonomy

John F. Sprufera, Sensory Modal Interaction While Using a Cognitive Aid During an Off-Nominal Complex Medical Task

Kristen L. Macuga, The Role of Sensory Feedback in Goal-Directed Pointing Under Restricted Viewing Conditions

Emily G. Wright, Evaluating the Importance of Salience Mapping and Operator Expertise on Behavior in a Dynamic Task



Friday, August 10 (cont'd)

Symposium: Oh the Places You Could Go – Applied Psychology Degrees in Today's Job Market

CC Room 148

10am-11:50am

Drs. Gabriella Hancock, Benjamin Sawyer, Julia Wright, and Adam Emfield

Division 21 Presidential Address: Applied Experimental and Engineering Psychology in the Information Age and Beyond

Moscone Center Room 2004

4pm-4:50pm

Dr. Robert Proctor

Business Meeting

Moscone Center Room 2004

5pm-5:50pm

Division Dinner

Colibri Mexican Bistro, 438 Geary Street

6:30pm

Saturday, August 11

Invited Address: Division 21 Presidential Invited Talk: What Cognitive Psychology Says About Training: Twenty-One Training Principles

Moscone Center Room 3010

10am-10:50am

Dr. Alice Healy

Symposium: From Lab Managers to APA Division Presidents – Women Leaders Connecting People With Technology

Moscone Center Room 2007

11am-11:50am

Drs. Anne McLaughlin, Carla Hackworth, Beth Blickensderfer, and Kim-Phuong Vu



JOIN US!

126th APA Convention

Happy Science Hour

Reconnect with colleagues, meet new ones,
and unwind at this informal social
hosted by Divisions 3, 6, 21, 23, 28, 40, 50, & 56
and the Science Directorate.

SF Marriott Marquis, Yerba Buena Salons 10 & 11
Thursday, Aug 9, 5-7 pm



Your Hosts



**Society for Experimental Psychology
and Cognitive Science** **DIVISION 3**

28th **PSYCHOPHARMACOLOGY
AND SUBSTANCE ABUSE**

SCP **SOCIETY FOR
CONSUMER
PSYCHOLOGY**

APPLIED EXPERIMENTAL & ENGINEERING PSYCHOLOGY
DIVISION 21 OF THE AMERICAN PSYCHOLOGICAL ASSOCIATION

**THE SOCIETY FOR
CLINICAL NEUROPSYCHOLOGY**

TRAUMA PSYCHOLOGY
DIVISION 56



Membership in Division 21

Jeanine Stefanucci

If you have students, remind them that joining Division 21 is free for the first year. Membership makes them eligible for our awards and part of our network of psychology-oriented researchers. The membership form can be found [at this link](#).

If you know of other APA members whose research connects with Division 21 but who are not members of the division, let them know that they can also join our division [for free the first year](#). We think they will find membership in Division 21 to be valuable and will want to continue being members in the future.