SIG 167 – Cognition & Assessment Business Meeting

THE POWER OF
EDUCATION RESEARCH
FOR **INNOVATION**
IN PRACTICE AND POLICY

2014 Annual Meeting | Philadelphia, Pennsylvania | April 3-7, 2014 | 🐦 #AERA14

Saturday, April 5, 6:30-8:00
Mariott, Fourth Level, Franklin 5

A Brief Status Report

Overview of Current and Future Officers

Chair (2012-2015)   **André A. Rupp, ETS**

Vice-chair (2012-2015)   **Laine Bradshaw, University of Georgia**

Program Chair (2014)   **Dubravka Svetina, University of Indiana**

Program Chair (2015)   **Donna L. Sundre, James Madison University**

Secretary (2013-2014)   **Paul Nichols, Pearson**

Secretary (2014-2015)   **Charles Secolsky, University of Illinois**

Graduate Student Members   **Saler Axel, Southern Methodist University**

(2013-2015)   **Matthew Madison, University of Georgia**

Current Membership

United States	189
Canada	11
Other	21
Total	**221**

Professional	144
Student	56
Other	21
Total	**221**

*We currently have 221
active members
(last year we had 219).*

Current Finances (rounded)

Balance (March 2013)	**3930 $**	
Award Amount (2014)	**500 $**	**[donated back]**
Award Costs	**330 $**	
Reception Contribution (2014)	**600 $**	

Remaining Funds   **2500 $**

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SIG Program at Annual Meeting

Annual Meeting Overview (I)

We created the program for the annual meeting – a BIG thank you to our program chair Duda Svetina here – and are trying out a new 'research teasers' segment during the business meeting (coming up in shortly!).

A big 'thank you' to our presenters:

Susan Gillmor, University of Kansas

Lynda Lee Osborne, Georgia State University

Wenchao Ma and colleagues, Rutgers University

Ally Thomas, The Graduate Center – City University of New York

Yoonsun Jang and colleagues, University of Georgia

Chunhua Cao and colleagues, University of South Florida

Annual Meeting Overview (II)

- **Allocation is based on membership and number of submissions. We had 32 submissions:**

  - *30 paper submissions (16 accepted)*
  - *1 symposium submission (accepted)*
  - *1 structured poster session submission (accepted)*

- **We created:**

  - *1 paper session (5 papers + 1 discussant)*
  - *1 symposium (3 papers + 1 discussant + 1 added paper)*
  - *1 structured poster session (8 posters)*
  - *1 regular poster session (5 posters)*
  - *1 roundtable (5 papers)*
  - *1 business meeting*

We are trying a new Joint Reception with the Test Validity Research and Evaluation and the Professional Licensure and Certification SIGs .

The AERA Special Interest Groups (SIG) on Professional Licensure and Certification, Test Validity Research and Evaluation, and Cognition and Assessment are pleased to sponsor a special presentation by

Ellen Forte, Ph.D. edCount, LLC

Argument in Action: Implementing Validity Theory in the Real World

Sunday, April 6, 6:15 to 8:15 pm
Convention Center, 100 Level, 112 B

The presentation will be followed by a social hour with hot food, desserts, and refreshments. The first 40 attendees will receive a free drink ticket.

Please join us to learn about these SIG groups and how you can get involved.
All are welcome
(Tim Sares, Andrew Jones, and, Andre Rupp SIG Chairs)

2014 Program Review Committee
(Otherwise known as TEAM AWESOME)

Sara A. Abercrombie - Bowling Green State University
Hongli Li - Georgia State University
Jonathan Templin - University of Georgia
Laine Bradshaw - University of Georgia - Athens
April Galyardt - University of Georgia
Yi- Hsin Chen - University of South Florida
Divya Varier - Virginia Commonwealth University
Chanho Park - Keimyung University
Haiyan Wu - Florida State University
Howard T. Everson - The Graduate Center – CUNY
Matthew J. Burke - American Institute of Certified Public Accountants
Lori C. Bland - George Mason University
Pamela K. Kaliski - The College Board

Annual Meeting Overview (V)

- **Each submission was reviewed by three reviewers and Program Chair**

- **Approximately 1/3 of the submissions were ALSO reviewed by one of the graduate student reviewers**

- **All reviews were thoughtful and informative**

We really cannot overstate gratitude to reviewers. So, simply and with heart: Thank You!

- **We need more submissions. Period.**

- **Moderately difficult to group papers into theme-based sessions due to diversity of topics.**

Business Updates

Key Business in 2013-2014 (I)

Awards

We submitted revised petitions and **finally got all three awards approved!** There is some minor editing work with their titles to do but we are following up on that. We also awarded the **Outstanding Contribution to Practice in Cognition and Assessment Award** for the first time this year (more on this in a minute).

Newsletter

We created a new SIG newsletter with updates and segments like interviews. **We are working on expanding the content of the newsletter and will create a new one after the conference!**
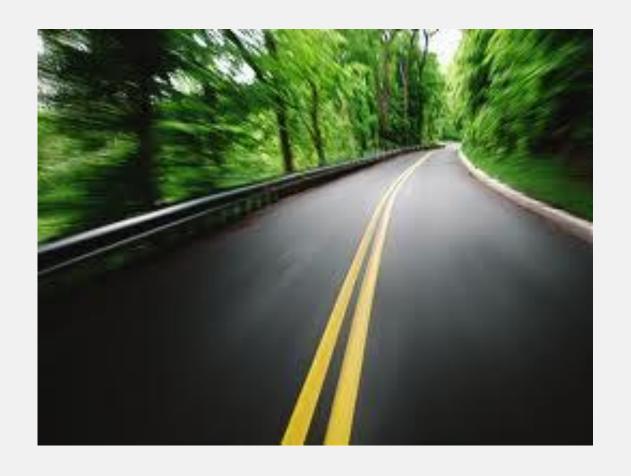
Key Business in 2013-2014 (II)

Handbook for Cognition and Assessment

Jackie Leighton and André Rupp proposed a co-edited Handbook of Cognition and Assessment to Wiley-Blackwell. The contract got signed in March 2014 and work on the handbook has commenced! It is scheduled for publication in 2016 and, while not a 'SIG publication' per se, has many contributions by SIG members.

The handbook will be a solid stepping stone for the creation of a SIG Journal for Cognition and Assessment, which would be one desirable follow-up goal for the SIG (probably under the purview of my successor).

Section	Chapter	Topic	Contact Editor	1st Author	E-mail
		Introduction		Jackie & Andre	
A	1	Frameworks for specifying cognitive models	Jackie	Paul Nichols	paul.nichols@pearson.com
	2	Frameworks for empirically investigating cognitive models	Jackie	Joanna Gorin	jgorin@ets.org
	3	Frameworks for evidence-based assessment design	Jackie	Steve Ferrara	steve.ferrara@pearson.com
	4	Frameworks for cognitively grounded reliability and validity	Jackie	Susan Embretson	susan.embretson@psych.gatech.edu
B1	1	Explanatory latent-variable models	Andre	Paul De Boeck	deboeck.2@osu.edu
	2	Diagnostic classification models	Andre	Laine Bradshaw	laineb@uga.edu
	3	Bayesian inference networks	Andre	John Behrens	john.behrens@pearson.com
	4	Discrete and continuous longitudinal models	Andre	Jeff Harring	harring@umd.edu
B2	1	Rule-space methodology and attribute hierarchy method	Andre	Ying Cui	yc@ualberta.ca
	2	Adapted clustering and classification approaches	Andre	Rebecca Nugent	rnugent@stat.cmu.edu
	3	Educational data and business process mining	Andre	Ryan Baker	ryanshaunbaker@gmail.com
	4	Automated scoring of complex performances	Andre	Isaac Bejar	ibejar@ets.org
C	1	Large-scale standards-based assessments and surveys	Andre	Kristen Huff	khuff@mail.nysed.gov
	2	Large-scale international educational surveys	Andre	Andreas Oranje	aoranje@ets.org
	3	Professional licensure and certification	Jackie	Ric Luecht	rmluecht@uncg.edu
	4	Instructional decision-making for diagnosis and remediation	Jackie	Janice Gobert	jgobert@wpi.edu
	5	Technology-rich assessment of hard-to-measure constructs	Andre	Valerie Shute	vshute@admin.fsu.edu
D	1	Socio-cognitive models for assessment	Jackie	Bill Penuel	william.penuel@colorado.edu
	2	Affective variables for assessment	Jackie	Pat Kyllonen	pkyllonen@ets.org
	3	Cognitive models for human and automated scoring	Jackie	Mark Gierl	mgierl@ualberta.ca
	4	Cognitively-grounded assessment of special populations	Jackie	Leanne Ketterlin-Geller	lkgeller@smu.edu
		Synthesis		Andre & Jackie	

Note. Exact titles of chapters are subject to change.

Next Year's Initiatives

For the New Year....

New Blog...

Russell Almond, who had previously agreed to host a Wiki for us, has also agreed to take the leadership on creating an ***invited / edited blog*** ***for the SIG. He will tell us more about this now!***

What's on Your Mind?

Outstanding Contribution to Practice in Cognition and Assessment Award

Outstanding Dissertation Awards

12-person research team from Achieve, ETS, and Pearson

Achieve

Enis Dogan, Bonnie Hain, and Carrie Piper

ETS

Nancy Glazer, Joanna Gorin, Jeff Haberstroh, Patricia Klag, Stephen Lazer, and Kathleen Sheehan

Pearson

Steve Ferrara, Jay Larkin, and Paul Nichols

"PARCC Text and Cognitive Complexity Measures"

Graduate Student Research Teasers

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