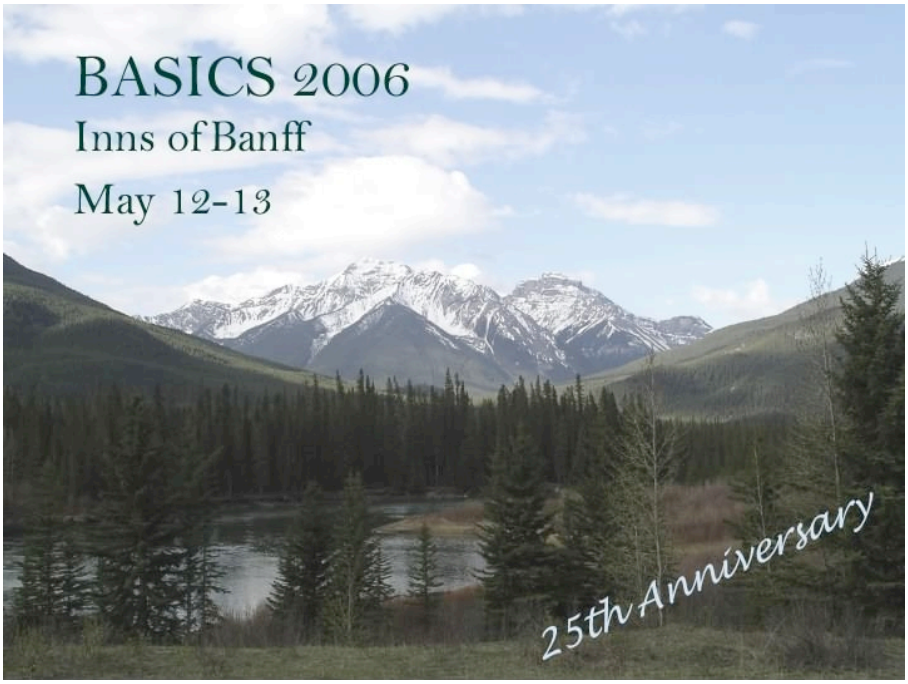

Friday, May 12 *Cascade Room*

4:30 pm Welcome and opening remarks by Scott Allen (University of Lethbridge)

Please register with Peter Dixon if you have not already done so ($70 for faculty, $25 for students and postdoctoral fellows).

4:45 pm **Douglas J. K. Mewhort** (Queen's University)

A new model for retrieval from memory: Iterative resonance applied to recognition memory and serial reaction-time tasks

I will sketch a new theory of retrieval based on a resonance metaphor and show that it captures data from recognition memory and from serial reaction-time tasks. According to the model, when a retrieval probe is presented, it resonates with items stored in memory in proportion to their similarity to the probe, and an echo of the resonant information is formed. If the echo does not provide clear evidence, further comparisons are calculated. In the subsequent comparisons, information taken from memory is sharpened, and the process cycles until clear evidence is obtained. RT is a function of the number of iterations required to provide the necessary evidence. Using the model, I will show, by simulation, that complex rule-like behaviour can be produced from a structured record of events without applying formal rules.

6:00 pm *Dinner Break*

8:00-11:00 pm **Reception & Poster Session I** *Cascade Room*

Sponsored by the *Canadian Journal of Experimental Psychology* and the Canadian Psychological Association.

Saturday, May 14 *Cascade Room*

8:30 am Coffee, tea, juice, and pastries

Please register with Peter Dixon if you have not already done so.

9:00 am **Bruce Milliken** (McMaster University)

Attending, ignoring, and the immediate priming method

Studies of selective attention focus on processes that allow us to attend to some stimuli and ignore others. The processing fate of ignored stimuli is regarded as a particularly important issue in this field. The immediate priming method is one of many that have been used to address this issue. The general research strategy that accompanies use of this method is that the processing consequences of attending or ignoring a prime ought to be revealed in performance for an identical (or related) target stimulus. As simple as this research strategy sounds, it has a complicating feature that is often overlooked: inferences about attention in such studies hinge entirely on our understanding about how present and past are integrated in human performance. My talk will focus on research aimed at these integration issues, with an emphasis on how attention in the present shapes the integration of previous and current experience.

10:30 am Coffee, tea, & juice

11:00 am **Pierre Jolicoeur** (Université de Montréal)

Electrophysiological indices of visual spatial attention and visual short-term memory

Visual event-related potentials (ERPs) provide powerful tools to study the mechanisms mediating the deployment of visual spatial attention, visual short-term memory, and interactions between spatial attention and central attention. In this talk I will summarize several sets of experiments focusing on the N2pc ERP component as a moment-to-moment index of the deployment of visual spatial attention. These studies explore how central attentional loads created in the context of paradigms used to study the attentional blink (AB) and the psychological refractory period (PRP) systematically modulate the N2pc, and presumably the ability to control visual spatial attention. Spatial attention is important for the selection of visual stimuli that are to be processed by later capacity-limited mechanisms. Visual short-term memory provides a temporary store for objects selected for further processing that has very limited storage capacity (about 3 or 4 objects). I will also discuss recent work involving a later component, which we call the SPCN (sustained posterior contralateral negativity), that appears to be a specific index of neural activity mediating the maintaince of information in visual short-term memory, and describe serveral experiments in which this activity is sharply affected by concurrent central processing demands.

12:30 pm *Lunch break*

2:00 pm **Steve Joordens** (University of Toronto at Scarborough)

Playing with the characters and characteristics of negative priming: Task variants, scientific deviants, and what they tell us about attention

I am not an expert on attention. Rather, I am someone with the good fortune to conduct investigations and share discussions with others who are experts in this area. The empirical context for many of these interactions has involved alterations of procedures typically used to demonstrate negative priming effects; alterations designed to examine the link between negative priming and selective attention. My talk will trace these social and empirical interactions, presenting bits of work driven largely by scientific colleagues including Bruce Milliken (Milliken & Joordens, 1996; Milliken, Joordens, Merikle & Seiffert, 1998), Penny MacDonald (MacDonald, Joordens & Seergobin, 1999; MacDonald & Joordens, 2000), and Tomas Spalek (Joordens, Batencourt & Spalek, in press; Spalek & Joordens, in preparation). The talk will highlight the advantages and disadvantages of altering traditional procedures, and will conclude with my current opinion with respect to how negative priming effects are related to selective attention, selective responding, and the general notion of selection for action.

3:30 pm Coffee, tea, juice, cake, & the traditional picture

4:00 pm **Tom Spalek** (Simon Fraser University)

Attention, what it is and what it isn't: My suggestion as to what it is

What are the rules that govern the redeployment of attention to targets presented sequentially across space? In providing an initial answer to this question, I will draw from the conceptual and practical work that has been done in the field of *inhibition of return* (IOR). IOR is the finding that response times are slower to a target presented at a previously cued location.

In the predominant view, IOR has been attributed to some form of inhibitory mechanism acting on the previously cued location. This inhibition must be overcome before redeploying attention to that location. I will present evidence consistent with the view that IOR is not a unitary phenomenon based on inhibition. Rather, the magnitude of IOR is influenced by expectations that the observer has developed from everyday interactions with the physical world. These expectations include directional momentum and directional reading biases.

Attentional redeployment also governs accuracy of target identification in another perceptual phenomenon known as *object-substitution masking*. I will illustrate how the deployment of spatial attention plays a critical role in this type of masking. Furthermore, I will illustrate how the perceptual processes that mediate object-substitution masking are also affected by expectations based on learned regularities with the physical world.

5:30 pm Closing remarks by John Vokey (University of Lethbridge)

6:00-8:00 pm **Reception & Poster Session II** *Cascade Room*

Sponsored by the *Canadian Journal of Experimental Psychology* and the Canadian Psychological Association.

Poster Session I

Friday 8:00 - 11:00 pm

Sponsored by the *Canadian Journal of Experimental Psychology* and the Canadian Psychological Association.

1. **Addend familiarity and strategy choice**
   Arron Metcalfe & Jamie I. D. Campbell
   University of Saskatchewan

2. **Putting the other-race effect in context**
   Michelle Corcoran & John R. Vokey
   University of Lethbridge

3. **What's the difference between a chicken: An attributional account of memory for nonsense movement**
   Rehman Mulji, Geoffrey Palmer, Cody Tousignant, & Bruce Whittlesea
   Simon Fraser University

4. **Effects of eye movements on unpleasant autobiographical memories**
   Raymond W. Gunter & Glen E. Bodner
   University of Calgary

5. **Assessing the accuracy of eyewitness identification**
   Jennifer L. Short & J. Thomas Dalby
   University of Calgary

6. **False memories or false responses: A variant of the DRM effect**
   Jolene Kinley & John R. Vokey
   University of Lethbridge

7. **"If I formed an image of myself, I would've remembered it:" Self-referential imagery attenuates the DRM illusion**
   Tanjeem Azad, Raymond W. Gunter, & Glen E. Bodner
   University of Calgary

8. **The effects of JOLs and self-paced training on the mirror effect**
   Geoffrey J. Palmer, Yifat Faran, & Bruce A. Whittlesea
   Simon Fraser University

9. **Training strategies and the mirror effect: Breaking the mirror is not seven years of bad luck**
   Yifat Faran, Geoffrey J. Palmer, & Bruce A. Whittlesea
   Simon Fraser University

10. **Mnemonics for prospective memory**
    Daniel Siu & Peter Graf
    University of British Columbia

11. **Is retrieval-induced forgetting in arithmetic cue-dependent?**
    Natasha Pandila & Thomas Phenix
    University of Regina

12. **Reality source monitoring in children with and without autism**
    Carly McMorris & Suzanne Hala
    University of Calgary

13. **Attentional demands of navigation versus data entry tasks in handheld devices**
    Hiroe Li & Peter Graf
    University of British Columbia

14. **Models of accuracy**
    Peter Dixon
    University of Alberta

Poster Session II

Saturday 6:00 - 8:00 pm

Sponsored by the *Canadian Journal of Experimental Psychology* and the Canadian Psychological Association.

15. **Bimanual interference is task specific and occurs at multiple levels of processing**
Sukhvinder Obhi & Melvyn A. Goodale
Wilfrid Laurier University

16. **Mapping the dynamic nature of the "controlled" and "automatic" processing in the brain**
Jonathan Fugelsang & Kevin Dunbar
University of Waterloo

17. **Representing semantics: Neural correlates of concreteness and ambiguity**
I. C. Hargreaves, L. C. Henry, P. M. Pexman, J. D. Edwards, & B. Goodyear
University of Calgary

18. **Is semantic processing obligatory in word naming?: A structural equation model using fMRI data**
Amabilis Harrison, Gordon Sarty, & Ron Borowsky
University of Saskatchewan

19. **"That was a great play!": Children's processing of verbal irony**
Emma Climie & Penny Pexman
University of Calgary

20. **7-to-11-year-olds' production of ironic criticisms**
Juanita Whalen & Penny M. Pexman
University of Calgary

21. **The influence of task demands and homophone type on homophone effects**
Linda R. Kerswell, Paul D. Siakaluk, Penny M. Pexman, Christopher R. Sears, & William J. Owen
University of Northern British Columbia

22. **Distinguishing between accounts of masked response priming using a parity task**
Andreas Breuer & Glen E. Bodner
University of Calgary

23. **Embodied word recognition: The effects of ease of body-object interaction**
Laura Aguilera, Paul D. Siakaluk, Penny M. Pexman, William J. Owen, & Christopher R. Sears
University of Northern British Columbia

24. **Insular sensitivity in basic reading processes**
Jacqueline Cummine, R. Borowsky, & G. Sarty
University of Saskatchewan

25. **The influence of specificity on causal reasoning**
Andrea Nicole Burnett, Jonathan A. Fugelsang, William J. Owen, & Paul D. Siakaluk
University of Northern British Columbia

26. **Improving the confidence-accuracy relationship in deductive reasoning**
Jamie Prowse & Valerie A. Thompson
University of Saskatchewan

27. **Influence of stimulus repetition on the SNARC effect**
Shawn Tan Chin Yang & Peter Dixon
University of Alberta

28. **The relationship between semantic and response effects in the Stroop task**
Lisa McCormick, Stacey McHenry, & Jim Cheesman
University of Saskatchewan

BASICS 2006 Registrants

Laura Aguilera, University of Northern British Columbia
Scott Allen, University of Lethbridge
Tanjeem Azad, University of Calgary
Glen Bodner, University of Calgary
Andreas Breuer, University of Calgary
Lee Brooks, McMaster University
Alisha Brown, University of Calgary
Andrea Nicole Burnett, University of Northern British Columbia
Jamie Campbell, University of Saskatchewan
Emma Climie, University of Calgary
Michelle A. Corcoran, University of Lethbridge
Jacqueline Cummine, University of Saskatchewan
Peter Dixon, University of Alberta
Brian Duffels, University of Alberta
Yifat Faran, Simon Fraser University
Jonathan Fugelsang, University of Waterloo
Melanie Glenwright, University of Calgary
Raymond W. Gunter, University of Calgary
Ian Hargreaves, University of Calgary
Amabilis Harrison, University of Saskatchewan
Luke Henry, University of Calgary
Ashley Jespersen, University of Lethbridge
Pierre Jolicoeur, University of Montreal
Steve Joordens, University of Toronto
Linda R. Kerswell, University of Northern British Columbia
Jolene Kinley, University of Lethbridge
Anna Kjellqvist, University of Sköude
Gregory P. Krätzig, Campion College at the University of Regina
Hiroe Li, University of British Columbia
Cheryl Macelli, University of Calgary
Tess Macelli
Lila McCormick, University of Saskatchewan
Carly McMorris, University of Calgary
Arron Metcalfe, University of Saskatchewan
Douglas J. K. Mewhort , Queen's University
Bruce Milliken, McMaster University
Gail Moroschan, University of Alberta
Rehman Mulji, Simon Fraser University
Sukhvinder S. Obhi, Wilfrid Laurier University
William J. Owen, University of Northern British Columbia
Geoffrey J. Palmer, Simon Fraser University
Natasha Pandila, University of Regina
Penny Pexman, University of Calgary
Thomas Phenix, University of Regina
Jamie Prowse, University of Saskatchewan
Lenore Read, University of Alberta
Valerie San Juan, University of Calgary
Chris Sears, University of Calgary
Jennifer L. Short, University of Calgary
Paul Siakaluk, University of Northern British Columbia
Daniel Siu, University of British Columbia
Tom Spalek, Simon Fraser University
Valerie Thompson, University of Saskatchewan
Megan Torry, University of Lethbridge
Cody Tousignant, Simon Fraser University
John Vokey, University of Lethbridge
Juanita Whalen, University of Calgary
Bruce W. A. Whittlesea, Simon Fraser University
Shawn Tan Chin Yang, University of Alberta

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