

# **“What Does Implicit Cognition Tell Us About Consciousness?”**

**June 13-16, 1997**

**The Claremont Graduate School  
and The Claremont Colleges  
are pleased to present**

**the Sixteenth Annual Claremont Conference on  
Applied Cognitive Psychology  
and  
the First Conference of the  
Association for the Scientific  
Study of Consciousness**

ASSC, founded in 1994, is the first scholarly and scientific membership organization devoted to the study of consciousness and related issues. ASSC promotes research in the fields of cognitive science, neuroscience, philosophy, and other disciplines in the sciences and humanities.

<http://www.phil.vt.edu/assc/>

ASSC has two journals; *Psyche*, published on the internet and *Consciousness and Cognition*, published by Academic Press. For more information see:

*Psyche*; <http://psyche.cs.monash.edu.au>

*Consciousness and Cognition*; <http://www.idealibrary.com/>  
and <http://www.europe.idealibrary.com/>



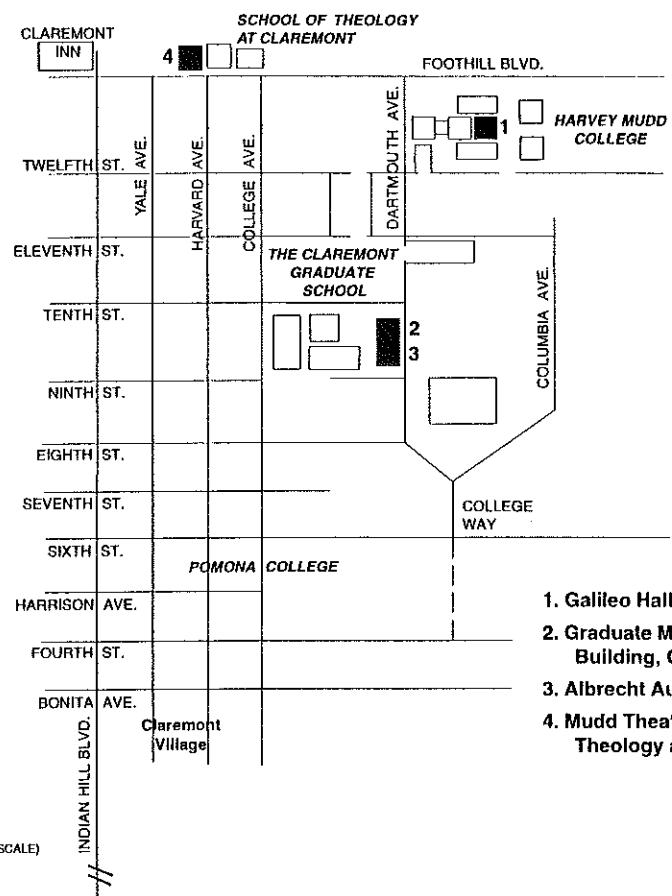
**CLAREMONT MCKENNA COLLEGE**



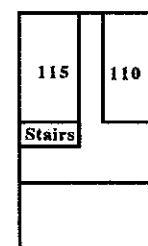
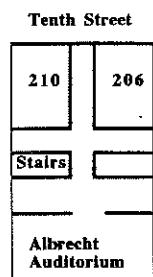
**HARVEY MUDD**  
COLLEGE OF THE SCIENCES



## **CONFERENCE LOCATIONS**



## **GRADUATE MANAGEMENT BUILDING, CGS**



**Ground  
Floor**

**Basement  
Floor**

**Plenary Talks, Galileo Hall  
Harvey Mudd College**

7:30-8:30 a.m.  
Reception

Registration desk open.  
All meals must be ordered at this time.

8:30-9:30 a.m.  
"What Experimental Studies of Perception Without Awareness Reveal About Conscious vs. Unconscious Cognition"

Philip Merikle  
Meredith Daneman  
University of Waterloo

9:30-10:30 a.m.  
"Accessibility Bias: Measuring Unconscious Influences"

Larry Jacoby  
McMaster University

15 minute break

10:45-11:45 a.m.  
"Consciousness as a Gatekeeper for Memory"

John Gabrieli  
Stanford University

11:45 a.m.-12:45 p.m.  
"Explicit and Implicit Memory: A Cognitive Neuroscience Perspective"

Daniel Schacter  
Harvard University

1-2 p.m.  
Lunch  
Box lunch served at Graduate Management Building.  
All meals must be ordered at Saturday a.m. registration.

**Saturday, June 14**

**Paper Sessions, Graduate Management Building, The Claremont Graduate School**

**Session I: Albrecht Auditorium**

2 p.m.  
"Implicit Processing of Negative Information: Possible Implications for Consciousness"

Douglas John Mansfield  
University of Natal

2:30 p.m.  
"Detection Analysis of Implicit Memory"

William Banks  
Yung-Pin Chen  
Pomona College

3 p.m.  
"A Two-Dimensional, Signal Detection Approach to Implicit Memory"

Stanley A. Klein  
Scott Slotnick  
University of California, Berkeley

3:30 p.m.  
"Implicit and Explicit Explorations of the Validity of the Remember/Know Recollective Experience Paradigm"

Tony Whetstone, Christine Carson, & Flowers Vance  
East Carolina University

**Session II: Room 206**

2 p.m.  
"Implicit Cognition, Self-Representation and the Phenomenal Self"

Pradeep Mutualik  
Yale University School of Medicine

2:30 p.m.  
"A Dual Processing Theory of Brain and Mind: Where is the Limited Processing Capacity Coming From?"

Danko Nikolic  
The University of Oklahoma

3 p.m.  
"Self-Deception as Interrupted Inference"

Jean-Pierre Schachter  
Huron College

3:30 p.m.  
"A Perceptual-Lingual Model of Consciousness"

Richard Stevens  
The Open University

**Session III: Room 110**

2 p.m.  
"From 'Not Seeing' to Neural Correlates of Visual Consciousness"

Charles Q. Wu  
Tasking Incorporated

2:30 p.m.  
"The Fallacy of Functional Exclusion"

Bruce Mangan  
University of California, Berkeley

3 p.m.  
"Transient Disappearance of Conscious Visual Perception Due To Attention Shift"

Lou Lianggang  
University of Hong Kong

3:30 p.m.  
"A Window into Pre-Cognitive Limbic System Processing in the Cognitive Generative Learning Process"

Lillian Greeley  
Boston University

**Symposium, Albrecht Auditorium**

4:15-5:45 p.m.  
Connections Among Attention, Consciousness, and Implicit Cognition

Chair: Valerie Hardcastle

4:15 p.m.  
"Involuntary Attention Mediates Conscious Perception of Conflicting Scenes"

Teng-Leng Ooi  
Southern College of Optometry  
Zijiang J. He  
University of Louisville

4:45 p.m.  
"On the Neurocognitive Mechanisms of Visual Awareness"

Antti Revsuo  
University of Turku

5:15 p.m.  
"Attention Versus Consciousness: A Distinction with a Difference"

Valerie Hardcastle

Virginia Tech

5:45-6:45 p.m.  
Poster session, Graduate Management Building, Room 210  
Refreshments

7:30 p.m.  
Buffet Dinner, Courtyard, Mudd Theater, School of Theology  
All meals must be ordered at Saturday a.m. registration.

**8 p.m.  
Plenary Talk**

Mudd Theater, School of Theology  
"Implicit Measurement Reveals Unconscious Operation of Prejudices and Stereotypes"

Anthony G. Greenwald  
University of Washington  
Mahzarin R. Banaji  
Yale University

**POSTER PRESENTERS ARE ASKED TO PUT THEIR POSTERS UP BETWEEN 7:30 A.M. AND 1 P.M. IN THE GRADUATE MANAGEMENT BUILDING, ROOM 210.**

**Plenary Talks, Mudd Theater, School of Theology**

7:30-8:30 a.m.  
Reception

Registration desk open

8:30-9:30 a.m.  
"Do Monkeys Have Blindsight?"

Alan Cowey  
Oxford University  
Petra Stoerig  
Ludwig Maximilians University

9:30-10:30 a.m.  
"When Vision Is Not Sight: Dissociations Between Perception and Action in the Normal Human Visual System"

Melvyn Goodale  
University of Western Ontario

15 minute break

10:45-11:45 a.m.  
"Neuronal Correlates of Consciousness"

Christof Koch  
California Institute of Technology

12 noon-1 p.m.  
Lunch  
Box lunch served at Graduate Management Building  
All meals must be ordered at Saturday a.m. registration.

**Sunday, June 15**

**Paper Sessions, Graduate Management Building, The Claremont Graduate School**

**Session I: Albrecht Auditorium**

1 p.m.  
"Subliminal Visual Priming"

Moshe Bar & Irving Biederman  
University of Southern California

1:30 p.m.  
"On the Perceptual Specificity of Memory Representations"

Eyal M. Reingold  
Dave M. Stampe  
University of Toronto

2 p.m.  
"An Implicit Visual System in Normal Humans"

Bruce Bridgeman  
University of California, Santa Cruz

15 minute break

2:45 p.m.  
"Fleeting Awareness in Metacontrast?"

Joel Lachter  
University of Arizona  
Frank H. Durgin  
Swarthmore College

3:15 p.m.  
"A Biologically Derived Neurodynamic Model of Implicit vs. Explicit Cognition"

Walter J. Freeman  
University of California, Berkeley

3:45 p.m.  
"Consciousness and the Zombie Within: A Functional Analysis of the Blindsight Evidence"

Ulin Thomas Place

**Session II: Room 206**

1 p.m.  
"Representations of Self and Implicit Processes of Self-Understanding"

Marc Borkheim  
Clark University

1:30 p.m.  
"Pain and Retrograde Amnesia"

James H. Buchanan  
The University Of Akron

2 p.m.  
"Effects of Mood on Facial Recognition: What is Implicit about Emotion?"

David Haley  
San Francisco State University

15 minute break

2:45 p.m.  
"Mental Presentation: Qualitative Content as Implicit Content"

Thomas Metzinger  
Hanse Institute for Advanced Study

3:15 p.m.  
"Aha!: The Nature of Conscious and Unconscious Processing in Insight Problems"

David P. Westley<sup>1</sup>, C. Philip Beaman<sup>2</sup>, & Nicholas LeBoutillier<sup>1</sup>  
<sup>1</sup>Middlesex University; <sup>2</sup>UK Medical Research Council Cognitive Development Unit

3:45 p.m.  
"Implicit Discrimination Precedes Explicit Pain"

C. Richard Chapman  
Yoshio Nakamura  
Ayse Gurel

**Session III: Room 110**

1 p.m.  
"Explicit Cognition Through Internal and External Sketchpads"

Erich Harth  
Syracuse University

1:30 p.m.  
"A Hybrid Approach Toward Understanding Consciousness"

Ron Sun  
University of Alabama

2 p.m.  
"The Boundary is Self-Organized Between Implicit and Explicit Cognition: A Robot Learning Experiment"

Jun Tani  
Sony CSL

15 minute break

2:45 p.m.  
"Modeling Priming and Subliminal Perception: A Stability Theory of Awareness"

Michael C. Mozer  
Donald W. Mathis  
University of Colorado, Boulder

3:15 p.m.  
"Is Implicit Learning Preserved in Parkinson's Disease?"

Richard J. Siegert  
Victoria University of Wellington

**Symposium, Galileo Hall  
Harvey Mudd College**

4:30-6 p.m.  
Criteria for the Ascription of Consciousness

Chair: David Chalmers

4:30 p.m.  
"Phenomenal Consciousness vs. Access Consciousness"

Ned Block  
New York University

5 p.m.  
"Criteria for Distinguishing Conscious from Unconscious Cognitive Processes"

Phil Merikle  
University of Waterloo  
Eyal M. Reingold  
University of Toronto

5:30 p.m.  
"Implicit Philosophy in Implicit Cognition Research"

David Chalmers  
University of California, Santa Cruz

6-7 p.m.  
Reception, Galileo Hall  
Refreshments

7:30 p.m.  
Dinner, Galileo Hall, Courtyard

All meals must be ordered at Saturday a.m. registration

**8:30 p.m.  
Plenary Talk**

Galileo Hall  
"How To Measure Similarity of Implicit Knowledge Across Structurally Diverse Brains"

Paul Churchland  
University of California, San Diego

# Monday, June 16

## Plenary Talks, Mudd Theater, School of Theology

7:30-8:30 a.m.

Reception

8:30-9:30 a.m.

"All Conscious Events are Explicit, but Not All Explicit Events are Conscious: A Comprehension Criterion for the Explicit-Implicit Distinction"

**Bernard Baars**  
*The Wright Institute*

9:30-10:30 a.m.

"Some Uses of Unconscious Vision: Evidence from Visual Form Agnosia"

**David Milner**  
*University of St. Andrews*

15 minute break

10:45-12:30 p.m.

Round table discussion  
with plenary speakers

1 p.m.

Lunch

Box lunch served at Graduate  
Management Building

All meals must be ordered at  
Saturday a.m. registration

## Paper Sessions, Graduate Management Building, The Claremont Graduate School

### Session I: Albrecht Auditorium

2 p.m.

"Categories of Consciousness: Our Usual Modes of Thought Limit Our Exploration of Cognition Outside of Awareness"

**Linda A.W. Brakel**  
*University of Michigan*

2:30 p.m.

"Unconscious Denied"

**Katalin Balog**  
*Rutgers University*

3 p.m.

"The Myth of the Cognitive Unconscious"

**Mans Holgersson**  
*Lund University*

15 minute break

3:45 p.m.

"Motor Priming in the Absence of Perceptual Awareness of Both Stimulus Identity and Location"

**Bjorn Held**  
*Unilever Research*

4:15 p.m.

"On the Origin of Consciousness: A Postulate and Its Corollary"

**Michel Cabanac**  
*Laval University*

### Session II: Room 206

2 p.m.

"The Role of Color and Attention in the Storage and Duration of the Movement Aftereffect"

**William Webster**  
*Monash University*

2:30 p.m.

"Blindsight and Commonsense"

**William Dibrell**  
*Alfred University*

3 p.m.

"Consciousness and Action: Implicit Learning in 'Visual Search'"

**Frank H. Durgin**  
**David A. Lewis**  
*Swarthmore College*

15 minute break

3:45 p.m.

"Blindsight and Conscious Perception"

**Oliver Kauffmann**  
*University of Copenhagen*

### Session III: Room 110

2 p.m.

"From Zombies to Star Trek's Commander Data: How Traditional Models of Cognition Leave No Room for the Implicit"

**Axel Cleeremans**  
*Universite Libre de Bruxelles*

2:30 p.m.

"EEG Alpha Decreases to a Low Concentration Odor: Sensing Without Perceiving?"

**John P. Kline, Gary E. Schwartz, Ernest H. Polak, Ziya V. Dikman, Patricia L. Gulli, Lynn A. Myers, & Douglas J. Streibich**  
*University of Arizona*

3 p.m.

"What Do Cigarettes and Hypnotists Have In Common? Temptation as an Altered State of Consciousness"

**Mark D. Chamberlain**  
*Ricks College*

15 minute break

3:45 p.m.

"Replicable Inhibition of Unconscious Perceptions: Evidence for Unconscious Defense"

**Michael Snodgrass**  
**Howard Shevrin**  
*University of Michigan*

4:15 p.m.

"Where is Capacity Limited? A Role for Memory"

**Anne-Marie Bonnel**  
*CNRS Marseille, France*

Join us at 5 p.m for drinks at the Claremont Inn to celebrate the end of the conference.

# Workshops

June 13, 1997

All meetings in the Graduate Management Building,  
Claremont Graduate School, 10th and Dartmouth

## Morning Workshops 9AM-Noon

### Room 110

Modeling techniques for measuring conscious  
and unconscious memory.

Charles J. Brainerd

### Room 210

Phenomenology of non-sensory experience.

Bruce Mangan

### Room 206

The consciousness puzzle: Towards a general  
theory of the neural correlates of conscious  
and unconscious processes.

James Newman

## Afternoon Workshops 2:30pm - 5:30pm

### Albrecht Auditorium

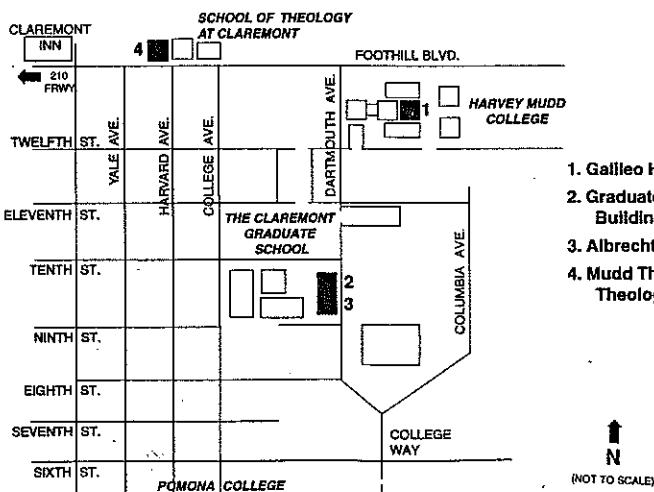
Functional brain imaging using EEG and MEG (squid).  
Irina Gorodnitsky

### Room 110

Centrifugal projection and the 'creative loop'.  
Eric Harth

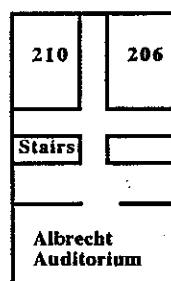
### Room 210

Functional visual neuroscience.  
William Webster

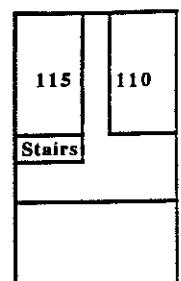


## Graduate Management Building

Tenth Street



Ground  
Floor



Basement  
Floor