

**For Immediate Release
Second Announcement
Workshop Program
Final Call for Abstracts**

**Toward a Science of Consciousness 2014
The 20th Anniversary Conference April 21-26, 2014
Marriott University Park, Tucson, Arizona
Sponsored by the Center for Consciousness Studies
at the University of Arizona**

Toward a Science of Consciousness is a rigorous interdisciplinary conference covering neuroscience, psychology, philosophy, cognitive science, artificial intelligence, molecular biology, medicine, quantum physics, cosmology, art, technology, and experiential and contemplative approaches to the understanding of consciousness. This 20th anniversary conference will reflect on progress, challenges and future directions from an estimated 800 participants from over 60 countries. Program sessions will include plenary and keynote talks and panels, concurrent talks, posters, art/science demos and exhibits, pre-conference workshops, side trips, and social events in the Tucson tradition.

Plenary speakers will include

Susan Blackmore, Ned Block, David Chalmers, Karl Deisseroth, Daniel Dennett, David Eagleman, Rebecca Goldstein, Stuart Hameroff, Christof Koch, Henry Markram, George Mashour, Sam Parnia, John Searle, Petra Stoerig, Giulio Tononi and many more.

Abstract Submission Deadlines

Final Abstracts are due no later than December 20th for plenary consideration

All others: December 31 (Notifications by January 15)

General Conference Registration:

(Early registration by February 2)

The Plenary and full program will be announced in January, 2014.

Bhaumik Prize:

The first *Bhaumik Prize in Consciousness Studies* will be awarded for significant research toward understanding consciousness. The award in the amount of 10,000 dollars will be presented at the conference by Dr. Mani Bhaumik.

Conference Sponsorships:

Bhaumik Foundation

The Chopra Foundation

PRE-CONFERENCE WORKSHOP PROGRAM:

Monday Morning, April 21, 2014 9:00 AM - 1:00 PM

Sleights of Mind: The Illusory Nature of Perception and Deception

Stephen L. Macknik

...how our brain constructs - rather than reconstructs - the world we see, featuring exciting, novel illusions by the best magicians of the new millennium.

Microtubules and Quantum Biology

Jack Tuszyński, Travis Craddock, Anirban Bandyopadhyay, Stuart Hameroff

...quantum vibrations in microtubules support the controversial Orch OR theory, and provide a basis for EEG as *beat frequencies* of intra-neuronal dynamics

Toward a Standardized Curriculum of Consciousness Studies

Leslie Combs, Jeffery Martin (and others TBA)

...how to build, and receive institutional approval for college and graduate level courses for a well-rounded course in consciousness studies

Nondual Awareness and the Unity of Consciousness: Experience and Research

Zoran Josipovic and Judith Blackstone

...contemplative experiences describe a unity transcending self-object dichotomy.

Neuroimaging reveals possible mechanisms for nondual awareness

DEI East-West Forum 1 (Full Day workshop)

East: P. Sriramam S. Roy, V. Sahni, A.K. Mukhopadhyay, B. D. Dhir, P.S. Satsangi

West: R. Gennaro, J. Barrell, J. Tuszyński, P. Pylkkanen, S. Hameroff

...Eastern spiritual traditions and Western science converge in a series of talks and discussions. Live 2-way video hookup with Dayalbagh Educational Institute (DEI), Agra, India

Monday Afternoon, April 21, 2014 2:00 PM - 6:00 PM

Preserving Consciousness: How a Missing Science of Consciousness Hobbles Life-Saving Medical Research

Kenneth Hayworth, Randal Koene, Max More

...the age old dream of preserving consciousness after bodily death is bolstered by new initiatives in brain mapping, cryonics and other technologies. Three authorities boldly face the challenges of *mind uploading*.

New Discoveries in Consciousness Science

Bernard J. Baars

...a survey of new developments regarding consciousness and coma, brain stimulation, cognitive enhancers, sleep, emotion, oscillations, brain *hubs* and global workspace theory

Perspectives in Philosophy & the Study of Dreaming

Jennifer Windt, Sascha Benjamin Fink

...first person introspection meets the science of dreams and spatial navigation. Try the *feelSpace belt* to augment spatial orientation

Neuroscience of Music, Consciousness & Therapy

Alexander Graur

...how does music relate to consciousness, and vice versa? Applications of Music Integration Neurotherapy™ to mood, personality and sleep disorders

Monday Evening, April 21, 2014 7:00-10:00 PM

The Reality Problem: Can Science Become Enlightened?

Deepak Chopra

...since the quantum revolution, the solid, tangible nature of reality has been undermined. Nevertheless, Western science and philosophy place the physical world as primary, with consciousness secondary. In Eastern traditions such as Vedanta, the situation is reversed. Which came first, consciousness or reality?

Monday Evening, April 21, 2014 6:30 PM- 10:30 PM

Brain Stimulation

W.J. Tyler (and others TBA)

...noninvasive brain stimulation includes transcranial magnetic, direct current and ultrasound (TMS, tDCS, TUS). Applications for neurological, psychiatric, cognitive enhancement and experiential entertainment will be presented. Attendees are invited to a post-workshop *brain stim* social at a nearby venue, sponsored by Neurotrek.

Tuesday Morning, April 22, 2014 9:00 AM - 1:00 PM

From Phenomenology to Consciousness and Back: Integrated Information Theory (IIT) 3.0

Giulio Tononi

...IIT is based on phenomenological axioms and ontological postulates (information, integration, exclusion, and compositionality) in which an experience is an irreducible conceptual structure, allowing quantified levels of consciousness in wakefulness, sleep, anesthesia, and disorders of consciousness

Philosophical Theories of Consciousness

Rocco Gennaro, Josh Weisberg

...dualism e.g. substance dualism, property dualism, and epiphenomenalism as well as nonreductive (but also nondualist) neutral monism and panpsychism will be compared with materialist identity theory, eliminative materialism, functionalism and representationalism.

Quantum Cognition

Harald Atmanspacher, Peter Bruza, Peter beim Graben, Paavo Pyykkänen

...cognition more closely follows quantum mathematical principles than classical, e.g. non-commutativity, bistable perception, choice as quantum state reduction, entanglement and complementarity. Irrespective of quantum biology, do quantum principles account for cognition?

The Healthy Human Mind, Tibetan Lamas and The Science of the Stream of Consciousness

Henry Vyner

...22 years of research and free healthcare amongst Tibetan lamas in South and Central Asia indicate that the egoless mind is far healthier than the egocentric mind, and generate a descriptive taxonomy of both the egocentric and egoless stream of consciousness.

Expanded States Through Shamanic Wisdom

Francoise Bourzat

...while Western Psychology addresses dysfunction by strengthening the ego and addressing psycho-emotional trauma, Shamanic methods seek to unlock the unlimited potential of the psyche with expanded states of consciousness based on preparation and integration

Theatre, Literature and Consciousness

Daniel Meyer-Dinkgräfe, Harry Youtt

...the experience of theatre and literature, encompassing both creative and receptive processes, can be better understood on the basis of consciousness studies. Conversely, subjective experience at the core of theatre and literature can provide insights in first-person approaches.

The Conference Opening Plenary Program will begin Tuesday afternoon, April 22 at 1:45 pm

Special Experiential Workshop/Side Trip/Field Study

Wednesday Evening April 23, 2014, 6:30 - 11:00 PM, Tucson Mountain Park

Nightwalking- Peripheral Vision for Peak Experience

Nelson Zink, Petra Stoerig

...utilizing only peripheral vision to navigate - *nightwalking* can lead to peak, or optimal experience. Nightwalking pioneer Nelson Zink and blindsight neuroscientist Petra Stoerig lead a special workshop in the Sonoran desert of Tucson Mountain Park. Buses leave at 6:30, and return at 11:00 pm. (Note: This event is rigorous and challenging, and participation is limited)

Side Trips

Thursday afternoon, April 24, 2014 1:00 - 6:00 PM

Mt. Lemmon-Sabino Canyon, The Santa Catalina Mts., and a Nature Walk 1:00-6:00 pm
10,000 Ft. above the desert floor, 5 climactic zones, and 30 degrees cooler, lies Mt. Lemmon. Our trip up the Hitchcock Highway is like traveling from central Mexico to Alaska. Desert scrubs plants to tall ponderosa pines. A nature walk follows our journey up the mountain. There is a mountain top community and a few shops

Desert Jeep Adventure 1:00 - 5:30 pm

The four wheeled open air jeep tour will lead you through some of the most beautiful and rugged desert wilderness surrounding Tucson. Your driver/guide will share with you all of the history and narrate thru the cactus forests, canyons, washes and mountains that surround the trail.

General Conference Sessions/ Schedule links

Pre-Conference Workshops

9:00 am Monday April 21 through 1:00 pm Tuesday, April 22.

Plenary sessions

1:45 pm Tuesday April 22 through 1:00 pm, Saturday April 26.

Concurrent sessions

4:30 pm to 6:35 pm on April 22, 23, and 25.

Poster sessions

From 7:00 pm - 10:00 pm on April 23 and 25.

Side Trips

During free afternoon Thursday April 24.

Conference Dinner

Thursday April 24, 6:30 to 11:00 pm, Skyline Country Club.

Additional social events

Welcome reception

April 22, 7:00 pm to 10:00 pm, Arizona State Museum,
University of Arizona campus

Evening hospitality gatherings TBA

Poetry Slam/Zombie Bluesfest

April 25, 10:00 pm to midnight

'End-of-Consciousness' party

April 26, 7:00 pm to...xx, Gentle Bens Brewery

Program Co-Chairs

David Chalmers, Australian National University, New York University
Stuart Hameroff, University of Arizona

Conference Manager

Abi Behar-Montefiore, Center for Consciousness Studies, Assistant Director

Sponsored by

The Center for Consciousness Studies, The University of Arizona
www.consciousness.arizona.edu Conference Website

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General Conference Registration:

Early registration by February 2)

Venue

For the first time, Toward a Science of Consciousness will be held at the **Marriott University Park** Hotel, steps from the Main Gate of the beautiful campus of the University of Arizona, near shops, restaurants and pubs on University Boulevard. A special conference hotel rate of \$109 has been arranged and this rate is extended for 2-3 days pre/post conference start/finish dates. See Links below.

Marriott University Park, 880 East 2nd Street, Tucson, AZ

TSC Conference, Booking Link **TSC Group code Marriott U Park (lowercase only): tsctsc**

All Hotel reservations must correspond to a paid TSC Online Conference Registration.

[**MARRIOTT HOTEL -TSC BOOKING LINK**](#)

Press Requests

**Abi Behar-Montefiore, Center for Consciousness Studies, center@u.arizona.edu
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Questions center@u.arizona.edu

Conference Website

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Conference Links

Online Abstract Submissions

Online Registration

Workshops

Conference Website

Questions: center@u.arizona.edu

Subscribe to TSC Email Notices – see [Website](#)

[Marriott University Park TSC Conference Booking Link](#)

See Conference Website for Additional Information and Links

Toward a Science of Consciousness (TSC) is presented by the Center for Consciousness Studies (CCS) at the University of Arizona, and alternates yearly between Tucson, Ariz. (even-numbered years) and various locations around the world (odd-numbered years) in cooperation with partner organizations and institutions. Overseas TSC Conferences have been held in: 1995 Ischia, Italy; 1997, Elsinore, Denmark; 1999, Tokyo, Japan; 2001, Skovde, Sweden; 2003, Prague, Czech Republic; 2005, Copenhagen, Denmark; 2007, Budapest, Hungary; 2009, Hong Kong, China; 2011, Stockholm, Sweden; 2013, Agra, India. The 2015 TSC will take place in Helsinki, Finland.

The Center for Consciousness Studies (CCS) at the University of Arizona was established in 1997 by the Arizona Board of Regents. CCS is hosted by the Department of Anesthesiology at the University of Arizona College of Medicine.

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