



2024  
THE SCIENCE OF  
**CONSCIOUSNESS**

**April 22 – 27, 2024**

Loews Ventana Canyon Resort • Tucson, AZ

[www.consciousness.arizona.edu](http://www.consciousness.arizona.edu)

# 2024 THE SCIENCE OF CONSCIOUSNESS

TUCSON, ARIZONA | APRIL 22–27, 2024

Welcome to the 30th annual ‘The Science of Consciousness’ (‘TSC’) Conference, the world’s largest, longest-running and premier gathering addressing fundamental questions regarding consciousness, the brain, reality and existence. TSC is organized and hosted by the Center for Consciousness Studies at the University of Arizona, and is an interdisciplinary conference emphasizing rigorous approaches to the study of consciousness and its place in the universe. Topical areas include neuroscience, philosophy, psychology, cognitive science, biology, quantum physics and quantum brain biology, cosmology, meditation, psychedelic and altered states, artificial intelligence/machine consciousness, the nature of reality, culture and experiential phenomenology. Held annually since 1994, TSC alternates yearly between Tucson, Arizona and various locations including Italy, Denmark, Japan, Sweden, Czech Republic, Hungary, Hong Kong, India, Finland, San Diego and Switzerland. This year our live participation and broadcast will take place at the Loews Ventana Canyon Resort, a beautiful eco-lodge in the hills above Tucson, Arizona.

TSC 2024 is a 6-day gathering consisting of 8 Workshops, 1 Symposium, 14 Plenary/Keynote Sessions, 30 Concurrent Sessions, 2 Poster Sessions and Exhibitor presentations, social, wellness, Poetry Slam and entertainment. We anticipate in person over 600 scientists, philosophers, educators, academicians, students, meditators, artists, interested public and seekers from around the world. Plenary and Keynote sessions, 2 workshops and the Monday evening Symposium will be live streamed virtually and uploaded for on-demand review.

We thank our sponsors, program committee, support staff, hosts, presenters, attendees, exhibitors and volunteers and all the Plenary and Keynote speakers for making TSC possible. We especially acknowledge the extraordinary efforts and many years of service of Abi Behar-Montefiore, Assistant Director of the Center for Consciousness Studies at the University of Arizona. Without Abi, The Center and TSC conferences would not be possible. Special thanks and appreciation to Edgar Mendoza and BioCommunications at the University of Arizona for their overall contribution to present this event through graphic design and production concepts over many years. To the entire staff and Group Managers at Loews Ventana Canyon Resort, thank you for all you do to make our program a success. To the Tucson-based Commotion Studios who were able to work with us on this intense program, thank you Matt George and Team for keeping us online and inline. Special thanks George Mashour.

Plenary bios, abstracts and exhibitor information can be found on the Center’s Website. [www.consciousness.arizona.edu](http://www.consciousness.arizona.edu)

Sincerely,



**Stuart Hameroff**  
Director Center for Consciousness Studies  
Program Co-Chair, The Science of Consciousness



**MONDAY, APRIL 22, 2024**

**Workshops**

8:30 AM–12:30 PM

*Kiva, Catalina K-L, Catalina J, Executive Board Room - Santa Rita, Sabino*

## **QUANTUM BIOLOGY**

Chair: Paige Derr, NIH/NCATS; Stuart Hameroff, U Arizona; Albert Siryaporn, UCI; Nirosha Murugan, Wilfrid Laurier; Manisha Patel, UCSB; Travis Craddock, NSU, (Remote), Philip Kurian, Howard U, (Remote) – *Kiva Ballroom*

## **INDIAN KNOWLEDGE, HEALTH AND MEDICAL APPLICATIONS (IKSHMA)**

Chair: Martin Fleming, SPI; Remote: Kunal Mooley, CalTech, IIT Mandi, IIT Kanpur, IMICS; Laxmidhar Behera, IIT Mandi; Rama Jayasundar, AIIMS Delhi; In person Tucson: Martin Fleming, SPI; Donald Hoffman, UC Irvine; Christopher Lord, Charles U-Prague; Ramana Vinjamuri, UMBC; Guruprasad Raghavan, Yurts AI – *Catalina J*

## **DUAL ASPECT MONISM**

Chair: Michael Silberstein, Elizabethtown College; William Seager, U Toronto; Harald Atmanspacher, Collegium Helveticum, ETH Zurich - Jeffrey Kripal, Rice U – *Catalina KL*

## **DREAMLESS SLEEP**

Chair: JF Pagel, U Colorado; Jerome Alonso, U Calgary; Antonio Zadra, U Montreal; Gina Poe, UCLA – *Executive Board Room*

## **BREAK**

12:30 PM–1:30 PM

## **WORKSHOPS, continued**

2:00 PM–6:00 PM

## **NEUROPHYSIOLOGY OF LOSS & RECOVERY OF CONSCIOUSNESS**

Chair: M. Bruce MacIver, Stanford U; Kathleen Vincent, Harvard U; Anthony Hudetz, U Michigan; Hyunwoo Jang, U Michigan – *Kiva*

## **MEDITATION & GLOBAL SPIRITUAL PRACTICES**

Chair: Thomas Brophy, CIHS/IONS; Deepak Chopra, Chopra Global; Jeffery Martin, CIHS; Hidehiko Saegusa, IIT Mandi, UArizona, CIHS, AABC; Arnaud Delorme, IONS; Timothy Laporte, CIHS; Sean Esbjörn-Hargens, CIHS; Sohail Shakeri, CIHS; Dean Radin, IONS (Remote); Helané Wahbeh, IONS; Garret Yount, IONS; – *Catalina KL*

## **TERMINAL LUCIDITY**

Chair: Marjorie Woollacott, U Oregon; Michael Nahm, IFAP Freiburg; Natasha Tassell-Matamua, Massey U, NZ; Chris Roe, U Northampton; Maryne Mutis, U de Lorraine, Fr; Karalee Kothe, U Colorado – *Catalina J*

## **EDUCATION IN CONSCIOUSNESS STUDIES**

Chair: Laurel Waterman, U Toronto; Joan Walton, St. John U-York; Thomas Bever, UArizona; Justin Riddle, FSU; Sue Blackmore, U Plymouth; Emily Toscianko, U Oxford/Pembroke College – *Executive Board Room*

## **SYMPOSIUM**

7:00 PM–10:00 PM

## **INTEGRATED INFORMATION THEORY OF CONSCIOUSNESS**

Moderator: Paavo Pykkänen, U Helsinki & U Skövde; Christof Koch, Allen Institute; Tiny Blue Dot Foundation; Giulio Tononi, Melanie Boly & Matteo Grasso, U Wisconsin - Madison – *Kiva*

**TUESDAY, APRIL 23, 2024**  
**Conference Opening**

Conference Sessions by Day  
Early morning experiential clinic: Refreshments

**7:30 AM – 8:15 AM**

**MEDITATION WELLNESS KICKOFF** – *Kiva Plaza*

Deepak Chopra

**PLENARY SESSIONS** – *Kiva Ballroom*

**8:30 AM – 10:40 AM**

**PLENARY 1 ‘DETECTING CONSCIOUSNESS’**

Steven Laureys, Claudia Passos, Gina Poe

**11:10 AM – 12:30 PM**

**PLENARY 2 ‘CORTICAL OSCILLATIONS, WAVES AND CONSCIOUSNESS 1’**

Earl K. Miller, KEYNOTE (Remote)

**BREAK**

**2:00 PM – 4:10 PM**

**PLENARY 3 ‘CONSCIOUSNESS AND REALITY’**

Donald Hoffman, Deepak Chopra, Paavo Pyykkänen

**BREAK**

**5:00 PM – 7:00 PM**

**TUESDAY CONCURRENT SESSIONS C-1 – C-10**

20 min talks: 5 min Q&A - Breakout Rooms:

*Catalina J, & KL, Executive Board Room, Grand Ballroom Salons G, H, I, Salons D, E, F, Santa Rita, Sabino*

**C-1 IMPLICATIONS OF ARTIFICIAL INTELLIGENCE**

Ken Mogi, Jonathan Erickson, Bill Mensch, Rizwan Virk, Maria Howard, JF Pagel – *Catalina J*

**C-2 PARAPSYCHOLOGY & NEAR-DEATH EXPERIENCES**

Fr. Nathan Castle, O.P., Marina Weiler, Terri Gilbert, Birgitta Therner, Nicole Johnson – *Grand Ballroom Salon D*

**C-3 EXPERIENTIAL APPROACHES TO CONSCIOUSNESS**

Roger Russell, Igor Nazarov, Raul Valverde, Carlton ‘Perk’ Clark, Timothy Laporte, Rubin Naiman – *Santa Rita*

**C-4 PHILOSOPHY OF MIND**

Scott Ventureya, Scott Olsen, Jonathan Shear, Gustavo Rodrigues Rocha, John Strozier, Patrick Schotanus – *Grand Ballroom Salon E*

**C-5 REPRESENTATION AND ACCESS MODELS OF MIND**

Roger C. Schriener, Susan Blackmore, Frank Heile, Matthew Williams, Rakenduvadhana Srinivasan – *Grand Ballroom Salon F*

**C-6 GEOMETRY OF MIND**

Terrence Howard, Andres Gomez-Emilsson, Elena Bezzubova, Uziel Awret, Jason Padgett – *Executive Board Room*

**C-7 QUANTIFYING COGNITIVE STATES IN NEURAL DATA**

Logan Trujillo, Dimitri Van De Ville, William Bosl, Kira Dolhan, Sandeep Gupta – *Sabino*

**C-8 STUDYING SPIRITUALITY IN NEUROSCIENCE AND THERAPY**

Stephen Zerfas, Marco Ruggiero, Master Zhi Gang Sha, Rulin Xiu, Kirit Goyal – *Grand Ballroom Salon G*

**C-9 NEUROSCIENCE OF ALTERED STATES**

Nicolas Glynos, Clayton Coleman, Nicholas Denomme, Gratiana Chen – *Grand Ballroom Salon H*

**C-10 QUANTIFYING ALTERED STATES OF CONSCIOUSNESS**

Robert Tromm, Marjorie Woollacott, Jessica Corneille, Sebastian Ehmann, Mona Letourneau – *Grand Ballroom Salon I*

**7:00 PM – 9:00 PM**

**WELCOME RECEPTION**

*Cascade Terrace* - Drink tickets, hearty appetizers

**WEDNESDAY APRIL 24, 2024**  
**Early Wednesday Morning Experiential Clinics**

7:15 AM – 8:15 AM

**Soul Sickness and Healing Techniques** – Master Zhi Gang Sha, Peter Hudoba, Rulin Xiu – *Catalina KL*

**Rumi Healing Meditation** – Sohail Shakeri – *Catalina J*

**Feldenkrais Awareness through Movement®** – Roger Russell, Jeff Haller – *Ventana 2nd Floor*

**Finding and Clearing the Emotional Roots of your Suffering** – Douglas Tataryn – *Santa Rita*

**TennisCentric Approach to Consciousness** – Mark Valladares – *Tennis Courts*

**PLENARY SESSIONS - KIVA BALLROOM**

**8:30 AM – 10:40 AM**

**PLENARY 4 ‘CORTICAL OSCILLATIONS, WAVES AND CONSCIOUSNESS 2’ -**

André Bastos (Remote), Pulin Gong, Dimitris Pinotsis

**11:10 AM – 12:30 PM**

**PLENARY 5 ‘THE GLOBAL BRAIN ARGUMENT: "Nodes, Computroniums and the AI Megasytem" ’**

Susan Schneider, Florida Atlantic University, Boca Raton, FL, USA, KEYNOTE

**LUNCH TIME EXHIBITORS & DEMOS**

12:30 PM – 1:30 PM

**Exhibitors**

Arizona Astrobiology Center / ANT-NEURO, Inc. / AAPS - Academy for Advancement of Postmaterialist Sciences / COSMOintel / Journal of Consciousness Studies / Megahertz Brain Waves / PICER Institute / Radio Rumi / Synaptic.care / Tao Academy / Timaeus Academy / Cusac.org / Fr. Nathan Castle / Ultrabandwidth Praxis

**Demos**

“Lunch Time Sound Reset and Integration – Sound Medicine® – Binaural Beats” – Elizabeth Krasnoff - *Rincon*

**The Artwork of Ayahuasquero, Pablo Amaringo – NeoAmazonian style** – Scott Olsen - *Grand Ballroom Lobby*

**Altered States Art as a Meditative & Restorative Tool: Painting Colour and Sound with Gestures in Virtual Reality,**

Leslie Deere - *Coronado*

**2:00 PM – 4:10 PM**

**PLENARY 6 ‘CONSCIOUSNESS IN RELIGION AND ALTERED STATES’**

Tanya Luhrmann, Justin Riddle, George Mashour

**BREAK**

**5:00 PM – 7:00 PM**

**WEDNESDAY CONCURRENT SESSIONS C-11 - C-20**

20 min talks: 5 min Q&A - Breakout Rooms:

*Catalina J, Catalina KL, Executive Board Room, Grand Ballroom Salons G, H, I, Salons D, E, F; Sabino, Santa Rita*

**C-11 ANOMALOUS COGNITION**

Helané Wahbeh, James Lake, Christine Simmonds-Moore, Arnaud Delorme, Milena Braticevic, Sean Esbjorn-Hargens – *Salon D*

**C-12 CONSCIOUSNESS & MENTAL HEALTH**

Carsten Korth, Ingrid Fredriksson, Darja Kobal Grum, Jurgen Kornmeier, Nina Carrubba, Criscilla Benford – *Executive Board Room*

### C-13 QUANTUM COMPUTATION

James Tagg, Akihiro Nishiyama, Vasyi Semenov, Roumiana Tsenkova, Mithun Paul, Rachid Lopez – *Santa Rita*

### C-14 INTEGRATED INFORMATION THEORY

Brian Archibald, Kelvin McQueen, Garrett Mindt, Isaac David, Matteo Grasso – *Salon G*

### C-15 ARTIFICIAL INTELLIGENCE

William Robinson, Tam Hunt, Karina Vold, Aida Elamrani, Vickram Premakumar, Jay Myers – *Salon H*

### C-16 TIME AND COGNITION

Laura Deutsch, Abdellatif Abujudeh, Yu Zheng, Joel Bennett, James Corrigan – *Salon I*

### C-17 SOCIAL IMPLICATIONS FOR UNDERSTANDING CONSCIOUSNESS

Stephen Deiss, Richard Morley, Steven Wingate, Seymen Atasoy, Staci Newmahr – *Salon F*

### C-18 PHYSICS OF MIND

Florian Metzler, Gregory Horne, Amal Alachkar, Xiaolin Ge, Alon Retter, William Softky – *Sabino*

### C-19 NOVEL MODELS OF CONSCIOUSNESS

Donald Mender, Meijuan Lu, Christopher Tyler, Meir Weinstein, Deborah Kala Perkins, Sean Clayton – *Santa Rita*

### C-20 PSYCHOANALYSIS AND THE UNCONSCIOUS

Jenny Vanbergen, Teresa Nowak, Garrett Yount, Asher Soryl – *Grand Ballroom Salon E*

#### 7:00 PM – 9:00 PM

**RECEPTION, CASH BAR** – *Grand Ballroom Lobby*

#### 7:00 PM – 10:00 PM

**POSTERS, ART TECH DEMOS, EXHIBITORS** – *Grand Ballroom Lobby; Ballroom B*

Posters in Grand Ballroom B - Additional Digital Posters on the perimeter of the Ballroom

## POSTER SESSION 1

### PO 1 - 1.0 - PHILOSOPHY

William J. Cox, Richard Gill, U.B. Lozano, Steve Kerckel/Mona Letourneau, Ramanujam Prakash, Jeff Sugar

### PO 1 - 2.0 - NEUROSCIENCE

Kewei Chen, Ryo Sato, Pavel Kraikivski, Soosan Beheshti

### PO 1 - 3.0 - COGNITIVE SCIENCE & PSYCHOLOGY

Antonio Zadra, Jin Ma, David Stone, Bruce Nappi, Malcolm Lett, Deni Van, Michael Kutch, Ruslana Remennikova / Bernard Beitman

### PO 1 - 4.0 - PHYSICAL & BIOLOGICAL SCIENCES

Richard Harrington, Peter Lugten, Steen Loeth, Steve Finette, Seungju Ahn, Georges Karma, Deanna Minich, James Beran, William Softky, Criscilla Benford

### PO 1 - 5.0 - EXPERIENTIAL APPROACHES

James Driessen, Palash Goyal, Carl Flygt

### PO 1 - 6.0 - CULTURE & HUMANITIES

Steven Ferrara, Olga Colbert, Kevin Goodrich, Joan Walton, Laurel Waterman, Marianne Nell

## EXHIBITORS & DEMOS

## THURSDAY, APRIL 25, 2024 Early Thursday Morning Experiential Clinics

7:15 AM – 8:15 AM

**Global Spiritual Meditation** – Hidehiko Saegusa – *Catalina KL*

**Rumi Healing Meditation** – Sohail Shakeri – *Catalina J*

**Feldenkrais Awareness through Movement®** – Roger Russell, Jeff Haller – *Ventana 2nd Floor*

**Finding and Clearing the Emotional Roots of Your Suffering** – Douglas Tataryn – *Santa Rita*

**TennisCentric Approach to Consciousness** – Mark Valladares – *Tennis Courts*

## PLENARY SESSIONS - KIVA BALLROOM

### 8:30 AM – 10:40 AM

**PLENARY 7 ‘MECHANISMS OF CONSCIOUSNESS’**

Aaron Schurger, Pieter-Jan Maes, Jerome Busemeyer

### 11:10 AM – 12:30 PM

**PLENARY 8 ‘DODECONOGRAPHY’ (‘DDG’) – 12 ORDERS OF FREQUENCY OSCILLATIONS IN EEG’**

Anirban Bandyopadhyay, KEYNOTE

## LUNCH TIME EXHIBITORS & DEMOS

12:30PM – 1:30PM

*Grand Ballroom Lobby, Rincon, Lobby & Coronado*

### 2:00 PM – 4:10 PM

**PLENARY 9 ‘ASTROBIOLOGY AND ASTROCONSCIOUSNESS’**

Caleb Scharf, Phillipe Schmitt-Kopplin, Stuart Hameroff

## BREAK

### 6:00 PM – 9:00 PM

**OPTIONAL DINNER UNDER THE STARS - SOLD OUT**

*Ventana Terrace* – TICKETS are Required

## FRIDAY APRIL 26, 2024 Early Friday Morning Experiential Clinics

7:15 AM – 8:15 AM

**Soul Sickness & Healing Techniques** – Master Zhi Gang Sha, Peter Hudoba, Rulin Xiu – *Catalina KL*

**Rumi Healing Meditation** – Sohail Shakeri – *Catalina J*

**Finding and Clearing the Emotional Roots of your Suffering** – Douglas Tataryn – *Santa Rita*

**Feldenkrais Awareness through Movement®** – Roger Russell, Jeff Haller – *Ventana 2nd Floor*

**TennisCentric Approach to Consciousness** – Mark Valladares – *Tennis Courts*

## PLENARY SESSIONS - KIVA BALLROOM

### 8:30 AM – 11:40 AM

**PLENARY 10 ‘DUAL ASPECT MONISM’ -**

Harald Atmanspacher, Bill Seager, Dean Rickles

### 11:10 AM – 11:30 PM

**PLENARY 11 ‘MOLECULES OF LIFE & CONSCIOUSNESS FROM THE ASTEROID BENNU’**

Dante Lauretta, KEYNOTE

## LUNCH TIME DEMOS & EXHIBITORS

12:30PM–1:30PM

*Grand Ballroom B & Lobby*

### 2:00 PM–4:10 PM

#### PLENARY 12 ‘THE SCIENCE OF CONSCIOUSNESS - 30 YEARS ON’

Panel: David Chalmers, Susan Blackmore, Christof Koch, Stuart Hameroff, Paavo Pyllkkänen, Giulio Tononi

## BREAK

### 5:00 PM–7:00 PM

#### FRIDAY CONCURRENT SESSIONS C-21 - C-20

20 min talks: 5 min Q&A - Breakout Rooms:

*Catalina J, Catalina KL, Executive Board Room, Grand Ballroom Salons G, H, I, Salons D, E, F, Sabino, Santa Rita*

#### C-21 QUANTUM THEORIES OF MIND

Phillise Todd, Peter Lloyd, Thomas Brophy, Anatoly Goldstein, Ivan Kuznetsov, Natalia Cortes – *Catalina J*

#### C-22 MULTISCALAR ELECTROPHYSIOLOGY

Asa Young, Bruce MacIver, Ryo Sato, Anthony Hudetz, Hide Saegusa – *Salon J*

#### C-23 PERCEPTION AND ATTENTIONAL CONTROL

Michael Silver, Cedric Cannard, Satya Pradhan, Nick Day, Sascha Seifert, Rahul Jain, Jeffery Martin – *Salon E*

#### C-24 CAUSALITY AND FREEWILL

Mihretu Guta, Edward Neafsey, Brian Key, John Sanfey, Lynn Rasmussen – *Salon F*

#### C-25 PHENOMENOLOGY OF MIND

Lukasz Kurowski, Jenny Simon, Abre Fournier, Soosan Beheshti – *Salon G*

#### C-26 PANPSYCHISM AND GLOBAL CONSCIOUSNESS

Scott Ventureyra, Anand Rangarajan, John Starrett, Todd Bureau, Ulf Holmberg – *Salon H*

#### C-27 NEUROSTIMULATION TO UNDERSTAND THE MIND

Sanjay Manchanda, Milan Pantovic, Olivia Giguere / Matthew Hicks – *Sabino*

#### C-28 MEDITATION PRACTICE TO UNDERSTAND THE MIND

Paul Dallaghan, Peter Hudoba, Rulin Xiu / Master Sha, Dorote Weyers-Lucci, Lavanya Rajesh Kumar, Sky Nelson – *Santa Rita*

#### C-29 UNITY OR DISUNITY OF CONSCIOUSNESS

Rocco Gennaro, Makayla Vermette, Famira Racy, Alain Morin, Roger Young – *Salon I*

#### C-30 ALTERNATIVE MOLECULAR MODELS OF MIND

Farzad Ahmadkhanlou, Noushin Nabavi, Afshin Lorestani, Charles Ernst, Rajnish Khanna – *Executive Board RoomL*

### 7:00 PM–9:00 PM

RECEPTION, CASH BAR – *Grand Ballroom Lobby*

### 7:00 PM–10:00 PM

POSTERS, ART TECH DEMOS, EXHIBITORS – *Grand Ballroom Lobby; Ballroom B*

Posters in Grand Ballroom B - Additional Digital Posters on the perimeter of the Ballroom

## POSTER SESSION 2 - GRAND BALLROOM B

### 7:00 PM–9:30 PM

POSTERS / DEMOS / EXHIBITORS – *Ballroom B, Lobby*

#### PO 2 - 1.0 - Philosophy

Elena Drăghici-Vasilescu, Rajnish Khanna, Aaron Schmidt, Richard Blum, Enrique Chiu Han, Hiroki Yamada, Ann Berger-Knorr, Chris Percy, Frank Warzik, Mukesh Chauhan

#### PO 2 - 2.0 - Neuroscience

Vipin Gupta, Scott Koshland, Anderson Rodriguez, Ludmila Vucolova

#### PO 2 - 3.0 - Cognitive Science and Psychology

James Rutherford, Cedric Cannard

#### PO 2 - 4.0 - Physical & Biological Sciences

Mark Rindner, Anatoly Goldstein, Surendra Pokharna, David Smolker, Anderson Rodriguez, Antonius Laurijssen, Seungju Ahn

#### PO 2 - 5.0 - Experiential Approaches

Sandro Guerra, Charles Davis, Barbara With, Dwight Holbrook

#### PO 2 - 6.0 - Culture & Humanities

Scott Lacy, Harland Harrison, Benjamin White

### 10:00 PM – TBD

FRIDAY POETRY SLAM - ZOMBIE BLUES - NO-END OF CONSCIOUSNESS PARTY – *Salon Kiva*

Food, Drink DJ Dancing - refreshments / cash bar

## SATURDAY APRIL 27, 2024

### Early Saturday Morning - Experiential Clinics

7:15 AM–8:15 AM

**Soul Sickness & Healing Techniques** – Master Zhi Gang Sha, Peter Hudoba, Rulin Xiu – *Catalina J*

**Finding and Clearing the Emotional Roots of your Suffering** – Douglas Tataryn – *Santa Rita*

**Feldenkrais Awareness through Movement®** – Roger Russell, Jeff Haller – *Ventana 2nd Floor*.

**TennisCentric Approach to Consciousness** – Mark Valladares – *Tennis Courts*

## PLENARY SESSIONS - KIVA BALLROOM

### 9:00 AM - 10:30 AM

#### PLENARY 13 ‘DIMENSIONS, WAVEFUNCTIONS & SYMMETRY IN THE BRAIN’

Zirui Huang, Santosh Helekar, Sir Roger Penrose (Remote)

### 11:00 AM - 12:30 PM

#### PLENARY 14 ‘SEARCHING FOR CONSCIOUSNESS & ENTANGLEMENT IN CEREBRAL ORGANIDS’

Alysson Muotri, Harmut Neven

## CONFERENCE CLOSE

# THANK YOU!

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Consciousness Studies

Megahertz  
Brain Waves

PICER Institute

Radio Rumi

Synaptic.care

Tao Academy

Timaeus Academy

Ultrabandwidth Praxis

## EXPERIENTIAL FACILITATORS

Deepak Chopra

Leslie Deere

Jeff Haller

Peter Hudoba

Roger Russell

Hidehiko  
Saegusa

Master  
Zhi Gang Sha

Sohail Shakeri

Douglas Tataryn

Mark Valladares

Rulin Xiu



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