A beach with a body of water and blue sky

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***Revised PROGRAM August 14***

**Neuroscience Needs a Revolution to Understand Consciousness**

**Summer Symposium at CIHS Campus, 701 Garden View Court**

**August 18-20, 2023 – Encinitas, CA**

***Sponsored by* California Institute for Human Science**

**Center for Consciousness Studies**

**Friday August 18, 2023**

**1:00 pm Welcome/Opening Session**

**Thomas Brophy, President CIHS**

**Stuart Hameroff Director CCS**

**1:05-1:15** **Award presentation to Mani Bhaumik**

**1:15 p.m. Plenary Program**

**Paradigm Shifts**

**1:15-1:45 Paavo Pylkkanen**

**1:45-2:00** **Riccardo Manzotti**

**2:00-2:15 Tom Bever**

**Entanglement and Photons in the Brain - Christof Simon, Anirban Bandyopadhyay**

**2:15-2:45 Christof Simon**

**2:45-3:15 Anirban Bandyopadhyay**

**3:15–3:45 break**

**Quantum Optics of Microtubules**

**3:45-4:15 Aarat Kalra**

**4:14-4:45 Travis Craddock**

**Paradigms and Phenomenology of the Revolution**

**4:45-5:05 Hide Saegusa**

**5:05-5:25 Thomas Brophy**

**5:25-5:45 Sean Esbjörn-Hargens**

**Friday evening, CIHS Fountain area**

**5:45-6:30 p.m. - Drinks, Food, Informal Talk**

**‘Spiritual and Therapeutic Aspects of Ayahuasca’**

**6:30-7:15 Paulo Roberto Silva de Souza**, **Padrinho, Church of Santo Daime,**

**Rio de Janeiro, Brazil**

**Saturday August 19, 2023**

**9:00 a.m. Plenary Program**

**Microtubule Biology**

**9:00-9:30 Kassandra and Rick McKenney**

**9:30-10:00 Rajnish Khanna**

**Free Will and Retroactivity**

**10:00-10:30 Sir Roger Penrose**

**10:30-11:00 Daniel Sheehan**

**11:00-11:30 break**

**Astrobiology and Astro Consciousness**

**11:30-12:00 Dante Lauretta**

**12:00-12:30 Stuart Hameroff**

**12:30-2:00 lunch**

**2:00 p.m. Plenary Program**

**Spintronics in Neuroscience**

**2:00-2:30 Luca Turin**

**2:30-3:00 Marilu Chiofalo**

**Measuring Consciousness Proximity**

**3:00-3:30 Santosh Helekar**

**3:30-4:00 Dean Radin**

**4:00-4:15 break**

**Keynote:**

**Quantum Consciousness**

**4:15-5:15 Hartmut Neven**

**5:15-6:30 Saturday evening reception - TBA**

**Drinks Food, Informal Talk**

**Sunday August 20, 2023**

**8:30 a.m. Plenary Program**

**Varieties of Conscious Experience**

**8:30-8:50 Jeffery Martin**

**8:50-9:10 Deepak Chopra**

**9:10-9:30 Aliya Grig**

**Physics of Microtubules**

**9:30-10:00 Jack Tuszynski**

**10:00-10:30 Esh Farschi**

**10:30-11:00 break**

**EM Fields**

**11:00-11:30 Tam Hunt**

**11:30-12:00 Dimitris Pinotsis**

**12:00-12:30 Anirban Bandyopadhyay**

**12:30-2:00 lunch**

**2:00 p.m. Plenary Program**

**Therapeutic NeuroUltrasound**

**2:00-2:30 Jay Sanguinettti**

**2:30-3:00 Sterling Cooley**

**Sensors and Machines**

**3:00-3:30 Zina Cinker and Caroline Aguilar**

**3:30-4:00 Anita Goel**

**4:00-4:30 break**

**Comparing Theories of Consciousness**

**4:30-5:00 Kelvin McQueen**

**5:00-5:30 Nicolas Rosseinsky**

**5:30-6:00 Paul Nunez**

**Future Research and Technology**

**Round Table Discussion**

**Conference Close**

**Sponsors**

**Mani Bhaumik**

**Google Quantum AI**

**Eugene Jhong**

**Center for Consciousness Studies**

**California Institute for Human Science**

**Journal of Consciousness Studies**

**Exhibitors**

**Interchange Laboratories Inc. " Mind-Interface Technology"**

**Valis, Inc.**

**Cosmointel Research**

**USD MePMoS Lab**

**Sema Lab**

**Special thanks**

**Encinitas Chamber of Commerce**

**Minuteman Press Encinitas**

**Encinitas Ballet Academy**

**Boochcraft Hard Kombucha  
G's Ginger Beer**

**Audio Visual**

**Daniel Barre, Realist Films**

**Venue**

**California Institute for Human Science**

**701 Garden View Court, Encinitas, CA 92024**

**Days/Times: Pacific**

**August 18, 2023 - 1:00 pm-6:30 pm**

**August 19, 2023 - 9:00 am-7:15 pm**

**August 20, 2023 - 8:30 am-6:00 pm**

**Registration**

[**Eventbrite**](https://r20.rs6.net/tn.jsp?f=001vm7vzVYFp1WsITliK8rT2YRhC3wl_-H2nTSiqOFJm0I1EWWFccDqN6kem4SOPEF8E0U2ni7r_CN7bfzdhrrRzZBOIodXTu18kh9YhM6YlNXsWf7TnQFhOkXfHI0tSs_f50JM5ju11yw5M-qtYah7Qu6JmB7lw17vPRQ8vfY91bcI3oEGPx4fedZuqXFbWWFCqZiHtTWJnTZMZTRdWAQaQsXuthWGoH864YvagIaaBfKhoWbtkSP_BJ1GQ2rd2S2v-BGXpvfs8N5WQpDMNM_Df_xUz3BVn1lC&c=c4z5VcbtAdKViOfItOHXSBZNB1QOCk3fshTkrKZW3wPSOT3lZg5Xeg==&ch=So2veXrUpq0moK3BlrF2NAy1QSu-q2jLJjrNhH7_dYQSWz493YlkmA==)

**Symposium**

**Format: Hybrid – Live - Remote/online**

**Invited Plenary Speakers, plus accepted digital showcase talks,**

**poster presentations, exhibitors.**

**Digital Files will be uploaded for on-demand viewing.**

**Exhibitors, Poster presenters will be active during break time and**

**social breaks.**

**Promo: Please share the**[**Promo video link**](https://r20.rs6.net/tn.jsp?f=001vm7vzVYFp1WsITliK8rT2YRhC3wl_-H2nTSiqOFJm0I1EWWFccDqN_Ime04SuOEESJyekGGSkfPJkUQwTFyQ3Lu_OAD3aHJYsKGbtxJKtmMvGQ3psZVtbngZM04hEM8nD9jio1Dt4l9v3b9rHU7e3g==&c=c4z5VcbtAdKViOfItOHXSBZNB1QOCk3fshTkrKZW3wPSOT3lZg5Xeg==&ch=So2veXrUpq0moK3BlrF2NAy1QSu-q2jLJjrNhH7_dYQSWz493YlkmA==)**with your social groups.**

[**https://vimeo.com/845485065**](https://r20.rs6.net/tn.jsp?f=001vm7vzVYFp1WsITliK8rT2YRhC3wl_-H2nTSiqOFJm0I1EWWFccDqN_Ime04SuOEESJyekGGSkfPJkUQwTFyQ3Lu_OAD3aHJYsKGbtxJKtmMvGQ3psZVtbngZM04hEM8nD9jio1Dt4l9v3b9rHU7e3g==&c=c4z5VcbtAdKViOfItOHXSBZNB1QOCk3fshTkrKZW3wPSOT3lZg5Xeg==&ch=So2veXrUpq0moK3BlrF2NAy1QSu-q2jLJjrNhH7_dYQSWz493YlkmA==)

**Media Files**

[**Social Media**](https://r20.rs6.net/tn.jsp?f=001vm7vzVYFp1WsITliK8rT2YRhC3wl_-H2nTSiqOFJm0I1EWWFccDqN_Ime04SuOEEm1z88gO87mr0LIZSxbu8sOt8zqwk0IfAJV_1tdasSVPaDcdzvQlA7HHERc9qmbkkEeTKY9GwkOdx4Osb06qlcA==&c=c4z5VcbtAdKViOfItOHXSBZNB1QOCk3fshTkrKZW3wPSOT3lZg5Xeg==&ch=So2veXrUpq0moK3BlrF2NAy1QSu-q2jLJjrNhH7_dYQSWz493YlkmA==)

[**Twitter Message**](https://r20.rs6.net/tn.jsp?f=001vm7vzVYFp1WsITliK8rT2YRhC3wl_-H2nTSiqOFJm0I1EWWFccDqN9IdElqy_iRdlWoL6NFv0URLP2er8cpF_zVG3H6yO5NZT6Id9hO4-v5yVoMPT3-0cESaKGRvxrS2SPyip_Xb0QHaK-qsHqHRM2VmaC6F8gSZy2S0VJRtNj6jEp5WIq3vVKnS-E61jFJ2yIW8p2sosO63d_N0TpEg5hyvbptou-JO&c=c4z5VcbtAdKViOfItOHXSBZNB1QOCk3fshTkrKZW3wPSOT3lZg5Xeg==&ch=So2veXrUpq0moK3BlrF2NAy1QSu-q2jLJjrNhH7_dYQSWz493YlkmA==)

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