



# ANSA

# APPLIED NEUROSCIENCE SOCIETY OF AUSTRALASIA

## 13th Annual ANSA Conference & Workshops



**22 - 27 August 2019**  
**Pullman CAIRNS**  
**International AUSTRALIA**

### Pre-conference Workshops

1-day Workshop, 22 August:  
*Mental Health Neurobiomarkers*

1-day Workshop, 23 August:  
*Pharmacology-EEG & Neuromodulation.*

2-day Workshop, 22 & 23 August:  
*Physiology and Clinical Outcomes with  
Brain Stimulation Technologies*

### Post-conference Workshops

2-day Workshop, 26 & 27 August:  
*Neurostimulation and Neurotherapy  
in Clinical Practice*

2-day Workshop, 26 & 27 August:  
*Absolute Basics in EEG Recording  
and QEEG Analysis*

### Conference/Workshop Presenters

Michelle Anifetos  
Martijn Arns  
Mirjana Askovic  
Trevor Brown  
Dave Cantor  
George Carlson  
Dirk de Ridder  
Nick Dogris  
Georgina Hale  
Peggy Hill  
Herbert Jelinek  
Martha Mack  
Paula Rodrigues  
Laura Rosas Leong  
Rivi Sela  
Dave Siever  
Ron Swatzyna  
Tiff Thompson  
Adrian van Deusen  
Steven Wickens

REGISTRATION open at

<http://www.eventbrite.com.au/e/2019-ansa-conference-workshops-gateway-to-health-tickets-48189068802>

## Sponsor Acknowledgements

ANSA appreciates the contribution of our sponsors and their commitment to attend our annual conference.

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The [Applied Neuroscience Society of Australasia](#) (ANSA) is a membership organization predominantly comprised of health professionals involved in the promotion of improving mental health with emerging technologies in applied neuroscience. ANSA promotes education and professional excellence for the research and practice of brain-based assessment and intervention.

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Neurotherapy has evolved in many exciting directions. It began with its learning roots in operate conditioning and expanded out to neuromodulation methods via entrainment, stimulation and even laser light technologies, The future of Neurotherapy is clearly very, very bright. Developments in biofeedback, neurofeedback and neuromodulation all converge on the amazing potential for broadly improving the health outcomes of our community. We stand in rarefied light on the cusp of major paradigm shift in health science and health care. For five decades we have awaited the recognition of neurofeedback and biofeedback. The stage will now have to be shared by an astonishing range of advances in neuroscience unimaginable even 15 years ago. Buckle up.

FMRI studies show coherence training improves social capabilities in Autistic children. QEEG studies can identify ASD at 18 months allowing for earlier interventions. Brain plasticity is now a household word. QEEG/ERP studies can better inform medication choices leading to more accurate diagnoses and even more specific prognoses. How you breathe and how your heart rhythms work are now considered central to good health. So is what you dream for, how you think and to whom you enjoin. Gut/brain and even deeper mitochondria research will merge into partnership with all these advancing technologies.

We will have to become more expansive in our skill sets and less and less territorial. Boundaries between disciplines will have to shrink and we need to develop new languages to unify our knowledge. We must be at the forefront of this change and not be meagre followers. History will recognise the bravery and wisdom of those who dared. It is time to stand up taller and be big targets. Pharmacology needs us and we them. Medicine needs us and we them. So too education, psychology, neurology and social justice. Insurers need to be on-boarded. The gateway is before you. So how will you proceed?

The ANSA Executive Board looks forward to welcoming new and familiar faces at our 13<sup>th</sup> ANSA Annual Conference, for the first time in beautiful far north Queensland. See you there!!

**Jon Hegg** - *Conference Program Chair*

## Opportunities for Sponsors and Exhibitors

The ANSA Annual Conference aims to:

1. promote the scientific study and professional practice of Applied Neuroscience through methods including biofeedback, neurotherapy, applied psychophysiology and nutrition.
2. offer training and further education for health professionals in the application of biofeedback, neurotherapy, applied psychophysiology, nutrition and other self-regulatory therapeutic tools.
3. encourage research and expansion of clinical and educational applications of applied neurosciences.

Exhibition and sponsorship opportunities are offered to organisations and individuals with products or services relevant to applied neuroscience. If you are interested in participating as an exhibitor or sponsor in the ANSA Conference, please review the information below. Most delegates will be drawn from the mental health research and practice sector, with some representing government, companies, and advocacy groups in applied neuroscience.

[ANSA](#) is a non-profit professional organisation and relies on financial support to help us reach our goals and objectives in promoting the advances of neuroscience in clinical practice.

### Summary of Sponsor/Exhibitor Options

Type	Event/Inclusions	\$ AUD
<b>PLATINUM (1 only)</b>	Saturday 24 <sup>th</sup> August, 6-9.30pm, Conference Dinner Cruise (full catering, bar, live music & exclusive charter). The Platinum Sponsor will be the sole sponsor of this event and will receive two Dinner-Cruise Tickets, 15-minutes to address the delegates as Dinner Speaker, and display space for signage, décor, product samples and information as provided. In addition, our Platinum Sponsor will have dedicated space within our ANSA Conference Tradeshow, 8am – 5pm Saturday and Sunday of the conference weekend; and will receive two Guest Registrations to access the Full Conference.	\$5000  <b>SOLD to NeuroField</b>
<b>GOLD (1 only)</b>	Friday 23 <sup>rd</sup> August 6.30-8.30pm <b>Welcome Reception</b> on the Daintree Pool Deck of Pullman's International Hotel, our Conference Venue & Sunday 25 <sup>th</sup> August 5-6pm <b>Happy Hour</b> , in Ballroom Foyer following the AGM.  Both events provide drinks and canapes for our delegates. The Gold Sponsor will be the sole sponsor of these events and will have an opportunity to greet the delegates. Display space is provided for signage, product samples and information during these events PLUS a trade-site during the conference.	\$3000
<b>SILVER (4 only)</b>	Silver Sponsors will be the sole sponsor at one of five preconference or post-conference workshop options (see program for details). Silver Sponsors will receive two Guest Registrations for their selected workshop, 10-minutes to greet the delegates, and display space is provided for your signage, product samples and information.	<del>\$2500</del> <b>SOLD OUT</b>
<b>BRONZE (10 only)</b>	Bronze Sponsors will have dedicated space within our ANSA Conference Tradeshow, 8am – 5pm Saturday and Sunday of the conference weekend; and will receive two Guest Registrations to access the Full Conference.	\$2000 4 remain
<b>SACHEL Sponsor</b>	For those unable to attend, send materials (maximum 100gms, e.g., 10 x A3) to include in our conference satchels. In addition, you may prepare an online, 30-minute presentation and we will distribute the link to our delegates. <i>Presentations should include a Title and Abstract to indicate relevance to researcher and/or practitioners in the field of applied neuroscience.</i>	\$500

Sponsor opportunities are limited and your early response is required.

Please register interest by email to [michelle@msmh.com.au](mailto:michelle@msmh.com.au).

Invoices will be forwarded once your conference-sponsor offer has been accepted by the ANSA Board.



## GATEWAY TO HEALTH: 13<sup>th</sup> Annual ANSA Conference & Workshops

Pullman Cairns International, 17 Abbot Street, Cairns, Australia

### Summary of Ticket Types

ANSA Members 1-day Mental Health Neurobiomarkers Workshop, Thursday 22/08/19	\$280.00 *
NON Members 1-day Mental Health Neurobiomarkers Workshop, Thursday 22/08/19	\$380.00 *
ANSA MEMBERS: 1-day Pharmacology-EEG & Neuromodulation Workshop, Friday 23/08/19	\$280.00 *
NON-member 1-day Pharmacology-EEG & Neuromodulation Workshop, Friday 23/08/19	\$380.00 *
ANSA Members: 2-day Physiology & Clinical Outcomes with Brain Stimulation Technologies Workshop 22 & 23 August	\$480.00 *
NON-member: 2-day Physiology & Clinical Outcomes with Brain Stimulation Technologies Workshop 22 & 23 August	\$680.00 *
> Friday 23/8/19 Welcome Reception 6.30 - 8.30pm	\$50.00 * ;
> Saturday 24/8/19, 6.30 -9pm Dinner Cruise on the Spirit of Cairns	\$120.00 *
MEMBERS Conference Weekend Program 24 & 25 August 2019	\$580.00 *
Non-members, Conference Weekend Program 24 & 25 August 2019	\$680.00 *
MEMBERS 2-day Workshop: The Use of Neurostimulation (tDCS, tACS, tRNS, pEMF) and Clinical Neurotherapy in Clinical Practice, Mon/Tues 26-27 August 2019	\$480.00 *
NON-Members 2-day Workshop: The Use of Neurostimulation (tDCS, tACS, tRNS, pEMF) and Clinical Neurotherapy in Clinical Practice, Mon/Tues 26-27 August 2019	\$680.00 *
MEMBERS 2-day Workshop: Absolute Basics for EEG Recording and QEEG Analysis, Mon/Tues 26-27 August 2019	\$480.00 *
NON-Members 2-day Workshop: Absolute Basics for EEG Recording and QEEG Analysis, Mon/Tues 26-27 August 2019	\$680.00 *
Wed 29/08/19: A Full Day Tour for conference delegates to access the premier attractions of the region: Tjapukai Indigenous cultural centre & buffet lunch; Skyrail Rainforest Cableway to Kuranda; Heritage Markets; & Scenic Rail through the rainforest.	\$260.00 *

REGISTER via Eventbrite

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## GATEWAY TO HEALTH: 13<sup>th</sup> Annual ANSA Conference & Workshops

Pullman Cairns International, 17 Abbot Street, Cairns, Australia

TIME	Thursday 22 <sup>nd</sup> August – Preconference Workshops (7 hours)
8.30 – 9am	Registrations & Welcome Coffee in Tully Foyer. Workshops run 9am – 5.30pm. Catering is provided with 2 x 15 minute breaks in room plus 1 hour for lunch at 1pm
<p><b>Workshop 1 (in Tully 1): 2-day Physiology and Clinical Outcomes with Brain Stimulation Technologies:</b>  <i>Audio-visual Entrainment (AVE), Cranio-electro Stimulation (CES) &amp; transcranial DC Stimulation (tDCS).</i>            Presenter: Dave Siever <span style="float: right;">Silver Sponsor: <a href="#">Bio-Medical Instruments</a></span></p> <p>A 2-day didactic training in multi-modal brain stimulation: Much has been discovered about the benefits of brainwave entrainment (BWE) or audio-visual entrainment (AVE). AVE affects cerebral blood flow, neurotransmitters, dissociative states and brainwave activity. Research demonstrates the effectiveness of AVE in promoting relaxation, cognition and hypnotic induction, treating ADD, PMS, SAD, PTSD, migraine, chronic pain, anxiety, depression and episodic memory. Recent discoveries have shown AVE to be a powerful means of recovery from traumatic brain injuries of a newly discovered type - thalamocortical disconnect. Interest in cranio-electro stimulation (CES) was initiated by Robinovitch, who, in 1914 made the first claim for electrical treatment of insomnia. Most of the 200+ studies have shown CES as a reliable method to reduce anxiety, depression, pain, and to improve sleep and cognition function. Transcranial DC Stimulation (tDCS) has been extensively studied. A major advantage of tDCS is that it may be applied directly over an area of concern where the cortical activity on the brain may be enhanced or suppressed, much like neurofeedback. 1000+ studies on tDCS, including 100 on stroke rehabilitation, have been published.</p> <p><b>DAVE SIEVER</b> graduated in 1978 as an engineering technologist who initially worked to design TMJ Dysfunction related diagnostic equipment and research facilities. Dave had noted anxiety issues in many patients suffering with TMJ dysfunction, prompting him to study biofeedback, which he applied to the patients and then later, Dave design biofeedback devices. In 1984, Dave designed his first audio-visual entrainment (AVE) device – the “Digital Audio-visual Integration Device,” or DAVID1. Through his company, Mind Alive Inc., Dave has been researching and refining AVE technology, specifically for use in relaxation, boosting academic performance and treating anxiety, depression, PMS, ADD, FMS, SAD, pain, cognitive decline and insomnia. Dave also designs Cranio-Electro Stimulation (CES) products and is a leading provider of transcranial DC stimulation (tDCS) and devices. As a result of Dave’s commitment to research, Mind Alive Inc now owns three patents involving neurotechnology. Dave continues to conduct research, perform a quantitative EEG service and designs new products pertaining to enhanced performance and mental wellness.</p> <p><b>Workshop 2 (in Tully 2): Mental Health Neurobiomarkers: discovering neurological/physiological causes for symptoms is key for successful treatment.</b>            Presenter: Dr Ronald Swatzyna <span style="float: right;">Silver Sponsor: <a href="#">Neurotherapy Institute of Australasia (NIA)</a></span></p> <p>Mental health issues are diagnosed based on presenting symptoms, however, we now know that there can be many causes for those symptoms and the process of diagnosis has been called into question. In 2012, the Research Domain Criteria (RDoC) Project was instituted to generate scientific investigations to discover the links between biomarkers and the presenting psychiatric symptoms. In 2014 a study, using EEG and qEEG, identified four primary neuro-biomarkers that explained most psychiatric medication failure. In 2015 another study found only a 6.25% association between the diagnosis assigned and the neuro-biomarkers responsible for their symptoms. This data provides valuable information for medication selection and titration, treatment selection, and recommendations for additional testing referrals e.g., imaging, lab work, sleep studies. The treatment of mental health issues can now be based on science initiated by clinical research.</p> <p><b>DR. RONALD J. SWATZYNA</b> is the Director of Electro-Neurophysiology Research and the Director of Neurotherapy at the Tarnow Center in Houston, Texas. For the past 20 years, Dr. Swatzyna has analyzed and treated the most diagnostically challenging cases in both inpatient and outpatient settings. As a researcher, he has presented and/or published over 70 peer-reviewed papers on brain dysfunction, psychotropic medication and other related topics at national and international conferences. In addition, Dr. Swatzyna is a Special Editor for WebmedCentral plus and Clinical EEG and Neuroscience. Prior to his career in mental health, Dr. Swatzyna served in both the Vietnam and the first Gulf War. Finally, his personal battle with a traumatic brain injury and PTSD has motivated him to become a leading expert in brain dysfunction.</p>	
6 – 7pm	BCIA-Australia Annual General Meeting in Tully 2



## GATEWAY TO HEALTH: 13<sup>th</sup> Annual ANSA Conference & Workshops

Pullman Cairns International, 17 Abbot Street, Cairns, Australia

TIME	Friday 23 <sup>rd</sup> August – Preconference Workshops (7 hours)
7.30 – 8.30am	<b>APS Neurofeedback &amp; Psychology Interest Group AGM</b> , Tully 1 Please RSVP to Yvonne Town via email: <a href="mailto:eboejo@digisurf.com.au">eboejo@digisurf.com.au</a>
8.30 – 9am	Workshop & Exam Registrations & Welcome Coffee in Tully Foyer
9am – 12.30pm	<b>Exams: BCIA Certificate in Neurofeedback or QEEG Certification (Boardroom #2)</b> (must be preregistered. Contact: <a href="mailto:michelle@msmh.com.au">michelle@msmh.com.au</a> ) Proctors: Nick Dogris & Michelle Aniftos
<p>Workshops run 9am – 5.30pm. Catering provided with 2 x 15 minute breaks in room plus 1hr lunch at 1pm</p> <p><b>Workshop 1 (Tully 1) continued: Physiology and Clinical Outcomes with Brain Stimulation Technologies</b> (see abstract above on Thursday overview)</p> <p>Presenter: Dave Siever <span style="float: right;">Silver Sponsor: <a href="#">Bio-Medical Instruments</a></span></p> <p><b>Workshop 3 (Tully 2): 1-day Pharmacology-EEG &amp; Neuromodulation Techniques</b> Presenter: Dr Ronald Swatzyna <span style="float: right;">Silver Sponsor: <a href="#">Neurotherapy Institute of Australasia (NIA)</a></span></p> <p>Dr Swatzyna has used electroencephalography (EEG) and quantitative (qEEG) data to assist psychiatrists in medication selection and titration. He also holds the distinction of being the first in the US to integrate Pharmacology-EEG into private practice. For his publications and presentation in Pharmacology-EEG, he was admitted as an Affiliate Individual member into the World Psychiatric Association and is a committee member of the Psychiatric Electrophysiology Section. As a researcher, he has presented and/or published 70 peer-reviewed papers on brain dysfunction, psychotropic medication and other related topics.</p>	
5.30-6pm	<b>AAPL Neurofeedback and Neuromodulation Networking Group</b> meeting in Tully 2 Please RSVP to Yvonne Town via email: <a href="mailto:eboejo@digisurf.com.au">eboejo@digisurf.com.au</a>
6 – 8pm	<p><b>GOLD Sponsor's Conference Welcome Reception, Daintree's Pool Deck</b></p> <p>Conference delegates, please register your attendance on arrival at this Reception.</p> <p><i>The Event:</i> The Daintree Pool Deck is set in lush, tropical gardens and the perfect place to mix and mingle with Conference visitors. Renew acquaintances and make new contacts at this professional networking event. Drinks, canapes and entertainment are provided for Ticket Holders (\$50 per <a href="#">registration</a>). Dress code: <i>Aussie Tropics</i> – cool and comfortable!</p> <p><i>The Sponsor:</i> ANSA thanks our sponsor, <b>TO BE ANNOUNCED</b>, for supporting of our Welcome Reception. Say "Giddy" to company representatives by the Garden Gazebo Bar.</p>

REGISTER via Eventbrite

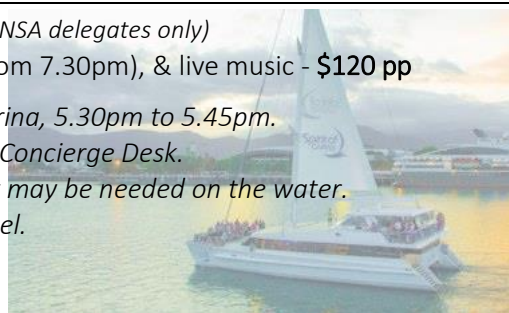
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## GATEWAY TO HEALTH: 13<sup>th</sup> Annual ANSA Conference & Workshops

Pullman Cairns International, 17 Abbot Street, Cairns, Australia

TIME	Saturday 24 <sup>th</sup> August Conference Schedule	
7.30–8.30	Registrations & Continental Breakfast ( <i>Practical HRV Biofeedback Forum –in Kuranda Ballroom</i> )	
7.30 – 8.30	<b>Practical HRV Biofeedback Forum</b> in Kuranda Ballroom. <i>Sponsored by BMMI &amp; MindSpace Australia.</i>	
8am–5pm	Sponsors and Exhibitors in Tully & Foyer Trades Arena	
8.30–9.30	<b>Plenary 1 Mossman Ballroom</b> <i>8.15am Welcome by ANSA President Michelle Aniftos</i>  <i>Keynote: Neuro-correlates of the ‘Self’ and Implications for Neuro-psychotherapists</i> <i>Presenter: Dirk de Ridder</i>	
9.35 - 11	<i>Keynote: Traumatic Brain Injury and Thalamocortical Disconnect; its Relation to Alzheimer’s; and Treatment with Audio-Visual Entrainment</i> <i>Presenter: Dave Siever</i>	
11 – 11.25	Refreshments & Professional Networking in Tully & Foyer Trades Arena	
11.30–12.30	<b>Plenary 1 Mossman Ballroom</b> iSPOT Study Informing EEG-based Personalised Medicine in ADHD & Depression <i>Presenter: Martijn Arns</i>	<b>Plenary 2 Kuranda Ballroom</b> LENS neurofeedback and EMDR in Functional Medicine, Chronic Illness and Cognitive Decline <i>Presenter: Georgina Hale &amp; Paula Rodrigues</i>
12.35– 1.35	<b>Plenary 1 Mossman Ballroom</b> A-Z in neuromodulation: Case studies of assessment to intervention in ADHD <i>Presented by: Listen &amp; Learn Centre</i>	<b>Plenary 2 Kuranda Ballroom</b> Mental Health Neurobiomarkers <i>Presenter: Ronald Swatzyna</i>
1.35-2.25	Lunch & Professional Networking in Tully & Foyer Trades Arena	
2.30 – 3.30	<b>Plenary 1 Mossman Ballroom</b> Multimodal Approaches for Treating Hyperactivity In <i>Impossible</i> Children <i>Presenters: Windward Biofeedback Group, Hawaii</i>	<b>Plenary 2 Kuranda Ballroom</b> Treatment of PTSD and Addiction in Traumatized Adults <i>Presenter: Mirjana Askovic</i>
3.35 – 4.35	<b>Plenary 1 Mossman Ballroom</b> PhD Research Award Presentations <i>Topics and presenters to be announced</i>	<b>Plenary 2 Kuranda Ballroom</b> Air-pollution, diet & genetics: hurdles in neurofeedback <i>Presenter: Herbert Jelinek</i>
5.30 – 8.30pm	<b><i>The Spirit of Cairns Dinner Cruise</i></b> ( <i>exclusively designed for ANSA delegates only</i> ) Full buffet, complimentary drinks from 5.30pm (cash bar from 7.30pm), & live music - <b>\$120 pp</b> <u><a href="#">Registrations</a></u> close 23 <sup>rd</sup> August. Boarding at the Marlin Marina, 5.30pm to 5.45pm. Walking group departs 5.30pm from Pullman International Concierge Desk. Dress: Aussie Tropical – cool and comfortable. A light jacket may be needed on the water. N.B.: The cruise is on VERY calm waters in a very stable vessel.  Thank you to <b>NeuroField</b> , Platinum Sponsor.	



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## GATEWAY TO HEALTH: 13<sup>th</sup> Annual ANSA Conference & Workshops

Pullman Cairns International, 17 Abbot Street, Cairns, Australia

TIME	Sunday 25 <sup>th</sup> August Conference Schedule	
7.30–8.30	Registrations & Continental Breakfast	
8am–5pm	Sponsors and Exhibitors in Tully & Foyer Trades Arena	
8.30–9.50	<b>Plenary 1 Mossman Ballroom</b> 8.30am Welcome by Incoming ANSA President, Martha Mack: Vision 2020 8.45am Keynote: Addressing Opioid Addiction Using Advanced Neuromodulation Techniques <i>Presenter: Nick Dogris</i>	
10–11	<b>Plenary 1 Mossman Ballroom</b> The Intersection of Psychodynamic Psychology and Electroencephalography (EEG) <i>Presenter: Tiffany Thompson</i>	<b>Plenary 2 Kuranda Ballroom</b> Limits in Neurofeedback Rehabilitation: what we need to know <i>Presenter: David Cantor</i>
11–11.25	Refreshments in Tully & Foyer Trades Arena	
11.30–12.30	<b>Plenary 1 Mossman Ballroom</b> Brain-Computer Interfaces: futuristic dream or impending reality <i>Presenter: David Cantor</i>	<b>Plenary 2 Kuranda Ballroom</b> <i>Masterclass (Introductory Level)</i>
12.35–1.35	<b>Plenary 1 Mossman Ballroom</b> Neurofeedback Protocols & Praxis <i>Panel: David Cantor, Nick Dogris, Tiff Thompson, Moshe Perl, Martijn Arns, Ron Swatzyna, et al...</i>	HEG Neurofeedback: a robust and consistent mode for brain activation <i>Presenter: Adrian van Deusen</i>
1.35–2.25	Lunch in Tully & Foyer Trades Arena	
2.30–4pm	<b>Plenary 1 Mossman Ballroom</b> iCAN - Neurofeedback in the treatment of ADHD: Rating the evidence <i>Presenter: Martijn Arns</i>  <b>Conference Close: Jon Hegg, Program Chair</b>	
4–5pm	<b>Plenary 1 Mossman Ballroom</b> ANSA AGM - all welcome	<b>Plenary 2 Mossman Ballroom</b> Networking in Tully & Foyer Trades Arena
5–6pm	<b>GOLD Sponsor's Happy Hour, Ballroom Foyer</b> <i>Following the ANSA AGM, delegates are invited to reflect on their conference participation and outcomes from this professional development event. Make commitments to connect again with new contacts and former colleagues. This Happy Hour will be brought to you by our sponsor, <b>TO BE ANNOUNCED</b>. Representatives will be available for you to say "Thanks Mate!"</i>	
6.30–9pm	<b>ANSA Executive Board Dinner Meeting</b> – Kingsford's Lounge (Elected officials only)	

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## GATEWAY TO HEALTH: 13<sup>th</sup> Annual ANSA Conference & Workshops

Pullman Cairns International, 17 Abbot Street, Cairns, Australia

TIME	Monday 26 <sup>th</sup> August
7.30 – 8.30am	QClub Interest Group Continental Breakfast in Tully 2
8.30 – 9am	Registrations & Welcome Coffee in Tully Foyer Workshops run 9am – 5.30pm with 2 x 15 minute breaks plus 1 hour for lunch, provided

**N.B. Both of our post-conference workshops options are 2-day events (14 hours each)**

### Workshop 4 (in Tully 1):

*Intermediate to Advanced Level*

The Use of Neurostimulation (tDCS, tACS, tRNS, pEMF) and Clinical Neurotherapy in Clinical Practice.

*Presenters: Dr Nick Dogris & Dr Tiff Thompson*

*Silver Sponsor: [NeuroField](#)*

The purpose of this class is to develop an understanding regarding the use of tDCS, tACS, tRNS, pEMF and synchronized Neurofeedback in clinical practice. An overview of each neuromodulation modality along with clinical research will be presented. An overview of the NeuroField software platform will be conducted that will demonstrate how to utilize these modalities in clinical practice. Participants will get a “hands on” experience with tDCS, tACS, tRNS and pEMF modalities. In this class, Drs Dogris & Thompson will conduct QEEG analysis of their case data and any cases that are brought in by the class participants. We will utilize multiple analysis methods from WinEEG, EEGLab, Neuroguide and NeuroField in this process. We will discuss methods for utilizing neuromodulation with a wide variety of case types.

**Dr. Nicholas Dogris** is a licensed health psychologist and neuroscientist (BCN & QEEGD) at NeuroField Neurotherapy in Santa Barbara, California. He is the neurorehabilitation director at the Florida House Experience in Deerfield Beach, Florida which is a substance abuse and mental health rehabilitation program. He has been in the electroencephalography (EEG) field for 30 years, beginning in 1987 with P300 research at Humboldt State University. Dr. Dogris earned his PhD from the California School of Professional Psychology and holds four advanced degrees. He has worked in the field for 27 years and has experience working with a wide variety of mental health populations including children, adolescents and adults. Dr. Dogris has held positions as the Program Chief of Mono County Mental Health, Orange County Mental Health, Inyo County Mental Health and College Hospital. He is the co-founder and CEO of NeuroField, Inc which he co-founded in 2008. He developed the first, synchronized, neuromodulation and neurofeedback system that utilized normed referenced data and QEEG analysis for the treatment of multiple neurological problems. This system, known as NeuroField, combines pulsed electromagnetic fields (pEMF) and transcranial alternating/direct current stimulation (tDCS/tACS) with EEG neurofeedback so as to optimize the functioning of the human brain. Dr. Dogris has developed over 200 protocols for the NeuroField system and continues to create new innovations for the Florida House Experience patients with a specific emphasis on reducing cravings, reducing symptoms of anxiety and depression and helping to restore normal sleeping patterns. Dr. Dogris conducts research on tDCS, tACS, tRNS, pEMF and neurofeedback based modalities.

**Dr. Tiffany Thompson** is the CEO of Neurofield Neurotherapy, Inc. She works alongside her husband, Dr. Dogris, as a clinician and educator in the realm of clinically-applied neurostimulation. Dr. Thompson is a board certified neurotherapist, licensed psychotherapist, Quantitative EEG Diplomate, and Registered EEG Technician (a medical credential bestowed by the American Society of Neurodiagnostic Technicians). Dr Thompson has worked in neurology clinics, as well as clinical settings. She holds two Masters degrees (Depth Counseling Psychology; & Communication). She has a PhD in Psychology with a dissertation on the intersection of psychodynamic psychology model of the psyche and electroencephalography. Dr. Thompson has served as the Executive Director of the Western Association of Biofeedback and Neuroscience, and worked as a neurodiagnostician in neurology clinics. Dr. Thompson regularly delivers public and trade organization lectures on Brain Mapping (Quantitative EEGs), Clinical Quantitative EEGs, Brainwaves 101, neurotherapy, and induced meditative states.

TIME	Monday 26 <sup>th</sup> August, <i>continued</i>
7.30 – 8.30am	QClub Interest Group Continental Breakfast in Tully 2
8.30 – 9am	Registrations & Welcome Coffee in Tully Foyer Workshops run 9am – 5.30pm with 2 x 15 minute breaks plus 1 hour for lunch, provided
<p><b>N.B. Both of our post-conference workshops options are 2-day events (14 hours each)</b></p> <p><b>Workshop 5 (in Tully 2)</b> <i>Beginners Level</i></p> <p>The Absolute Basics: Beginners EEG Recording and QEEG Analysis  <i>Presenters: Rivi Sela &amp; Michelle Aniftos</i>      <i>Silver Sponsor: <a href="#">Brain, Mind &amp; Memory Institute</a></i></p> <p>EEG and Quantitative EEG (qEEG) are valuable tools for supporting the diagnosis and targeted, effective therapy of a host of different neuropsychological disorders. This 2-day interactive workshop will align with the <a href="#">QEEG Certification Board Blueprint</a> to demonstrate step-by-step how to record and analyze EEGs (electroencephalographic representations of brain activity) including artefact detection, quantitative EEG analysis and neurofeedback applications.</p> <p><b>Dr. Rivi Sela</b> is the co-founder and CEO of BetterFly Neurofeedback, an innovative cloud-based neurofeedback technology that allows clinicians to treat patients both in the clinic and at the patient's home. Rivi pioneered the neurofeedback field in Israel and has trained many neurofeedback clinicians. She founded the BrainGames-Israel clinics ten years ago, and treated hundreds of patients suffering from ADHD, epilepsy, autism, anxiety and depression. Under her supervision, the BrainGames clinics have provided diagnostic evaluations, QEEG recordings and analyses and non-drug interventions to patients of all ages, children and adults. Prior to embarking on her neurofeedback career, Rivi served for many years as the Chief Technology Director of the Sheba Hospital, the largest medical centre in Israel, and specialized in developing and implementing clinical technologies, including hardware and software, collaborating with leading companies from around the world.</p> <p><b>Michelle Aniftos BCN QEEGD</b> is a Clinical Psychologist and Director of a private mental health practice (Mylne Street Mental Health) in Toowoomba, Queensland. She has been accredited by Australian Health Practitioner Regulation Agency and the Australian Psychological Society's Clinical College as a Supervisor of provisional and registered psychologists, and clinical registrars. Michelle is past Convener of the Australian Neurofeedback &amp; Psychology Interest Group; President and Fellow of the Applied Neuroscience Society of Australasia; and Chair of the Biofeedback Certification International Alliance - Australia.</p>	
TIME	Tuesday 27 <sup>th</sup> August, <i>day 2 of the 2-day workshops</i>
8.30 – 9am	Registrations & Welcome Coffee in Tully Foyer Workshops run 9am – 5.30pm with 2 x 15 minute breaks plus 1 hour for lunch, provided
<p style="text-align: center;"><b>Workshops continued from Monday.....</b></p> <p><b>Workshop 4 (in Tully 1):</b> The Use of Neurostimulation (tDCS, tACS, tRNS, pEMF) and Clinical Neurotherapy in Clinical Practice.  <i>Presenters: Dr Nick Dogris &amp; Dr Tiff Thompson</i>      <i>Silver Sponsor: <a href="#">NeuroField</a></i></p> <p><b>Workshop 5 (in Tully 2):</b> The Absolute Basics: Beginners EEG Recording and QEEG Analysis  <i>Presenters: Rivi Sela &amp; Michelle Aniftos</i>      <i>Silver Sponsor: <a href="#">Brain, Mind &amp; Memory Institute</a></i></p>	

**REGISTER via Eventbrite**

<http://www.eventbrite.com.au/e/2019-ansa-conference-workshops-gateway-to-health-tickets-48189068802>



## Wednesday 28<sup>th</sup> August – The After Party

This Full Day Tour is exclusively offered to our delegates to access the premier attractions of the region:

- 0845 Depart Pullman Cairns International for bus transfer to Tjapukai
- 0915 Tjapukai Indigenous Experience - *learn about the diversity of Australian Indigenous culture and how it is expressed through art; the tantalising smell of the Bayngga, a traditional underground oven, will lead you to the Flame Tree Bar & Grill to enjoy a buffet lunch inspired by native bush foods;*
- 1245 Skyrail Rainforest Cableway to Kuranda – *soar above the rainforest canopy, with views from Cairns to the Great Barrier Reef; in Kuranda visit the Heritage Markets & Butterfly Sanctuary;*
- 1530 Scenic Rail service from Kuranda to Freshwater Train Station - *ride through one of the oldest rainforests in the world; pass amazing waterfalls; trundle through tunnels and over picturesque bridges as we head down the mountain;*
- 1700 Depart Freshwater Train Station by bus to return to Pullman Cairns

[\\$260 per person](#) (Limited to a maximum of 50 delegates so please register early)

### REGISTER via Eventbrite

<http://www.eventbrite.com.au/e/2019-ansa-conference-workshops-gateway-to-health-tickets-48189068802>

Additional tourism ideas have been packaged specifically for our delegates by local tour operators.

See over for trip ideas on land and water.....

## DOWN UNDER TOURS



### Wednesday 29<sup>th</sup> August 2019 - Private ANSA Full Day Tour to Kuranda

Board the luxury private coach to experience the contrast of the region's oldest railway and the world's most beautiful Rainforest Cableway. Tjapukai is our first stop where you will experience the world's oldest living culture before enjoying a delicious buffet lunch. Then board Skyrail Rainforest Cableway for your journey over and through World Heritage protected rainforest, before some free time in Kuranda before the return journey through the rainforest aboard the Kuranda Scenic Rail.

Price: **\$260.00 pp**

[CLICK HERE TO BOOK ONLINE NOW WITH ANSA NOW](#)



### Cape Tribulation, Daintree & Mossman – Full Day

Travel in air-conditioned comfort in your luxury purpose-built vehicle to Cape Tribulation; through some of the oldest rainforest in the world ... Included is a cruise on the Daintree River, delicious tropical lunch set amongst the rainforest, and a walk on famous Cape Tribulation Beach. Included also is a driver/guided tour & afternoon tea at the Mossman Gorge Centre, before returning home.

Adult price: **\$214.00**

Tour Code: **CTR**



### Daintree Walkabout – Full Day

A unique experience awaits today ... Join the Dreamtime Gorge Walk at Mossman Gorge, learning of dreamtime legends, bush tucker sources and traditional plant use before tea, damper & question time with your Indigenous guide. Also included is a delicious lunch at The Daintree Teahouse and an informative cruise on the Daintree River.

Adult price: **\$216.00**

Tour Code: **DWA**



### Hartley's Crocodile Adventures – Half Day

Take a half day tour to Hartley's Crocodile Adventures – the best place to see crocodiles in Tropical North Queensland! There is ample time to explore this wonderful park, including the Wetlands Cruise through the Melaleuca wetlands; domain of the saltwater crocodile. Take in the Crocodile Attack Show, and fascinating Snake Show before we return you to your accommodation.

Adult price: **\$98.00**

Tour Code: **HCPM**

**TO BOOK CAPE TRIBULATION, DAINTREE WALKABOUT OR HARTLEYS  
PHONE DOWN UNDER TOURS DIRECTLY ON +617 4047 9066 6AM – 6.30PM  
& QUOTE "ANSA NEUROSCIENCE CONFERENCE" TO RECEIVE A 10% DISCOUNT**



# 10% OFF REEF TRIPS



ANSA | APPLIED NEUROSCIENCE  
SOCIETY OF AUSTRALASIA

**The Quicksilver Group is pleased to offer a special discount of 10% on our range of Great Barrier Reef cruises for delegates and family when booking direct.**

- To redeem this offer, please visit the direct booking form link below.
- Please indicate on the booking form - "ANSA NEUROSCIENCE CONFERENCE"
- Please also indicate in the message box how many dives you wish to do.
- This offer is valid for the period **15<sup>TH</sup> August 2019 – 6<sup>th</sup> September 2019** inclusive.

**DIRECT BOOKING FORM**

<http://www.quicksilvergroup.com.au/charters.html>

**OR PHONE:** Port Douglas Departures +617 4087 2100 Cairns Departures +617 4044 9944



## GREEN ISLAND DAY TRIPS

*Half and Full Day Trips*

- **GREAT ADVENTURES** from Cairns



## OUTER REEF ACTIVITY PLATFORMS

*The widest range of ways to experience the Reef*

- **QUICKSILVER Agincourt Reef** from Port Douglas
- **GREAT ADVENTURES Outer Reef** from Cairns



## SAILING DAY TRIPS

*Full day sailing experiences*

- **WAVEDANCER Low Isles** from Port Douglas
- **OCEAN SPIRIT Michaelmas Cay** from Cairns



## DIVE & SNORKEL ADVENTURES

*Visit 3 Outer Reef sites in one day*

- **SILVERSWIFT** from Cairns
- **SILVERSONIC** from Port Douglas
- **POSEIDON** from Port Douglas