

**2019 Annual Meeting of the Central Society of**

**Electroneurodiagnostic Technologists**

CSET ANNUAL MEETING

**APRIL 26 & 27, 2019**

**Radisson Milwaukee West – Milwaukee, WI**

**Radisson Milwaukee West**

2303 N Mayfair Rd

Wauwatosa, WI 53226

Phone:

RESERVATIONS: +1 (800) 333-3333 (US/Canada Toll-free)

TELEPHONE: +1 (414) 257-3400

FAX: +1 (414) 257-0900

Website:

http://www.radisson.com/milwaukee-hotel-wi-53226/wiwauwat

Use Block Code: CSET

Room Rate:

Standard room types guest rooms……….$ 119.00

NOTE:

You must specify you are a CSET participant and use Block Code: CSET to receive the SPECIAL RATE. Reservations must be made by March 29th to receive the group rate. Please call or go on-line to make reservations.



**President:**

Sara Batson

Batson.sara@mayo.edu

**Sectary/Treasurer**

Pat Trudeau

**Vendor Chairperson**

Shawn Carter-Brown

**Local Arranger**s

Peggy O’Neill

Michelle McHugh

*Applying for ASET CEU’s for EEG, EMU/cEEG, and IONM courses*

*Applying for BRPT CSTE’s for Polysomnography course*

***CSET SOCIAL***

**Where: Radisson West, room TBA**

**When: Friday April 26, 2019**

**What’s served: Hors d’oeuvres and Cash Bar**

**WHO: All CSET attendees, speakers, and vendors are invited to attend.**

**Please stop by to join us. There is no additional charge for attending the social.**

*Vendor booths will be on site during the days of the meeting.*

*We want to encourage you to take opportunity to visit the vender booths to check out the variety of equipment and supplies available.*

**

***Thank you to the vendors who played a vital role in sponsoring***

***the 2019 Annual CSET Meeting.***

**Friday, April 26, 2019**

**Course 1: IONM**

**Course Director: Patty Warf, MS, CNIM, FASNM, LSSGB**

 **& Michelle McHugh, CNIM, R.EEGT.**

08:00-08:45 Understanding of Patient Burns and Sources

 Brett Netherton MS, CNIM, FASNM, FACNS

08:45-09:45 Principles of Simulation for IONM Applications

 Larry, Wierzbowski AuD, DABNM, FASNM

09:45-10:00 Vendor Break

10:00-10:45 Mapping the Brain and Spinal Cord

 Tom Epplin Zapf PhD, CNIM

10:45-11:30 Communicating “ALERTS": Tactful Delivery Under Stress Derek Stanfield, D.C., CNIM

11:30-13:00 CSET Business Meeting/Lunch

13:00-14:00 Neurosurgery Update on Arnold Chiari Procedures and Neuromonitoring Findings

Dr. Dan Heffez

14:00-15:00 Medical Negligence: Case Reviews and Open Discussion

Sabrina Faust R.EEG/EPT, CNIM, CLTM

15:00-15:20 Vendor Break

15:20-16:20 How Does clinical Outcomes Drive Performance Improvement?

Cheryl Wiggins AuD, D.ABNM , CNIM

16:20-16:45 All Speakers Panel Discussion

**Saturday, April 27, 2019**

**Course 1: IONM**

**Course Director: Patty Warf, MS, CNIM, FASNM, LSSGB**

 **& Michelle McHugh, CNIM, R.EEGT.**

08:00-08:45 Aneurysm Surgery

 Dr. Bhattacharjee

08:45-09:30 (LQP) –TcMEP During Aneurysm Surgeries

 Ernesto Lima MD, D. ABNM, CNIM

09:45-10:00 Vendor Break

10:00-10:45 RLN MEP’s

 Matt Cotton MS, CNIM, FASNM

10:45-11:30 Opioids Effects on the CNS and Impact on Neurodata Acquisition

 MeChelle Vance CNIM, LSSGB

11:30-12:30 Lunch

12:30-13:30 Corticobulbar MEP’s

 James Watt BS, CNIM, R.EPT

13:30-14:30 Critical IONM Alerts

 Tom Epplin Zapf PhD, CNIM

14:30-15:00 (LQP)-TcMEP using DTS (Double Train Stimulation)

 Technique During Spine Surgery

 Ernesto Lima MD, D. ABNM, CNIM

 Marcia Davidson R.EEG/EP T, CNIM, RN,

R.PSG T., RET

15:00-16:00 CranioMetric Points and Brain Anatomy/Head Measuring

 Hands on Workshop

 Ernesto Lima MD, D. ABNM, CNIM

 Marcia Davidson R.EEG/EP T, CNIM, RN,

R.PSG T., RET

16:00-16:15 All Speaker Panel Discussion

**Friday April 26, 2019**

**Course 2: EEG**

**Course Directors: Pat Trudeau R.EEG T., CLTM, FASET**

08:00-09:00 Interesting Case Studies from the EMU

 Shawn Carter-Brown, R.EEG T., CLTM, CNIM

09:00-10:00 Normal EEG Patterns, Variants and Benign Patterns

 Anna-Marie Beck, MOL, R.EEG T., FASET

10:00-10:15 Vendor Break

10:15-11:00 Electrodes and Skin Integrity

 Leah Hanson R.EEG/EP T.

11:00-11:30 Updating Job Descriptions and Job Compensation

 Marcia Davidson R.EEG/EP T, CNIM, RN,

R.PSG T., RET

11:30-13:00 CSET Business Meeting/Lunch

13:00-14:00 Artifacts

 Jennifer Vierkant R.EEG/EP T., CLTM, RPSGT

14:00-15:00 ILAE Epilepsy Classification

 Lee Wolfinbarger R.EEG T.

15:00-15:30 Vendor Break

15:30-16:30 Benign Pediatric Epilepsy: Characterization, Classification

 and EEG Features:

 Amy Caccamo R.EEG/EP T., CLTM

16:30-16:45 Closing Comments

**Saturday, April 27, 2019**

**Course 2: EMU/cEEG**

**Course Directors: Cindy Nelson, R.EEG T.**

08:00-09:00 Continuous Video EEG Monitoring in the ICU

Dr. Chris Anderson

09:00-09:45 Emergency Room Visits Recovery diagnosis of Psychogenic

 Non-Epileptic Events (PNEE) as a Diagnosis

 Linda Allen BSN, RN

09:45 -10:00 Vendor break

10:00-11:00 The Hidden Information in EEG Recordings – Part of our Future

Dr. Kurt Hecox

11:00-11:30 How to Build an ENDT Business

Keith Morgan R.EEG T.

11:30-13:00 Lunch

13:00-14:00 Continuous EEG for Prognostication after Cardiac Arrest

 Dr. Janel Schneider

14:00-15:00 Why cEEG in the ICU

Monte Molenkamp BS, R.EEG T., CNIM

 15:00-16:00 CLTM Board Prep

Jennifer Vierkant R.EEG/EP T., CLTM, RPSGT

**Friday April 26, 2019**

**Course 3: Polysomnography**

**Course Directors: Theresa Buechl RPSGT, R.EEG T.**

08:00-09:00 Developing the Role of the CSE in the Sleep Center

Marla Van Lanen, RRT, RPSGT, CCSH

09:00-10:00 Mountains to Move: Principles of Noninvasive Positive Pressure Ventilation

 Deb Medin MEd, RRT, RPSGT

10:00-10:15 Vendor Break

10:15-11:30 Physiological Morbidity CHF and COPD

 Greg Miller, BS, RPSGT

11:30-13:00 CSET Business Meeting/Lunch

13:00-14:00 Physiology Behind Respiratory Effort and Airflow

Dave Stockdale BA, RPSGT, CPFT

14:00-15:00 Using CO2 Monitoring in Sleep Studies

Marla Van Lanen, RRT, RPSGT, CCSH

15:00-15:15 Vendor Break

15:15-16:15 Utilizing HST Program to Increase In Lab Sleep Studies

Shannon Dean

16:15-17:00 Insomnia

 Catherine C. Loomis, Ph.D., C.B.S.M.



**CSET MEMBERSHIP SCHOLARSHIP**

Two 2019 CSET Scholarships are available.

All applicants must be members of CSET.

CSET Officers and Board Members are not eligible for

the scholarship. This will include a two-day registration fee waiver.

Send application to:

Pat Trudeau

10131 Westby Rd

Marshfield, WI 54449

PAT.TRUDEAUEEG@GMAIL.COM

DUE BY April 19, 2019

Please Print

Applicant’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Employer Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Street Address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

City:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_State:\_\_\_\_\_\_\_\_\_\_\_\_\_Zip:\_\_\_\_\_\_\_\_

Work Phone:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

E Mail Address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please attach a brief essay on your goals in attending the 2019 CSET meeting along with how this scholarship will help achieve them. Notification of award will be made at arrival for registration.

 **CSET OUTSTANDING EDUCATOR AWARD**

Do you know a CSET member that has a reputation for commitment to education in the field of electroneurodiagnostics? Would you like to nominate them for recognition at the Annual 2019 CSET Meeting in Milwaukee, Wisconsin?

Please submit a brief essay with your nomination before April 19, 2019 to:

Patti Baumgartner

CSET Outstanding Educator Award Chair

E-mail: patti\_baum@sbcglobal.net

***Friday Courses, April 26, 2019***

**Payment sent on or before April 19, 2019**

Course 1: IONM

 CSET Member Non-Member Student\*

 $125.00\_\_\_\_\_ $170.00 \_\_\_\_\_ $50.00 \_\_\_\_\_

Course 2: EEG

 CSET Member Non-Member Student\*

 $125.00\_\_\_\_\_ $170.00\_\_\_\_\_ $50.00\_\_\_\_\_

Course 3: Polysomnography

CSET Member Non-Member Student\*

$125.00\_\_\_\_\_ $170.00\_\_\_\_\_ $50.00\_\_\_\_\_

**Payment sent after April 19, 2019**

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Course 2: EEG

 CSET Member Non-Member Student\*

 $135.00\_\_\_\_\_ $180.00\_\_\_\_\_ $50.00\_\_\_\_\_

Course 3: Polysomnography

CSET Member Non-Member Student\*

$135.00\_\_\_\_\_ $180.00\_\_\_\_\_ $50.00\_\_\_\_\_

***Saturday Courses, April 27, 2019***

#### Payment sent on or before April 19, 2019

#### Course 1: IONM

####  CSET Member Non-Member Student\*

####  $125.00\_\_\_\_\_ $170.00 \_\_\_\_\_ $50.00 \_\_\_\_\_

#### Course 2: EMU/cEEG

####  CSET Member Non-Member Student\*

####  $125.00\_\_\_\_\_ $170.00 \_\_\_\_\_ $50.00 \_\_\_\_\_

**Payment sent after April 19, 2019**

Course 1: IONM

 CSET Member Non-Member Student\*

$135.00\_\_\_\_\_ $180.00\_\_\_\_\_ $50.00\_\_\_\_\_

Course 2: EMU/cEEG

 CSET Member Non-Member Student\*

$135.00\_\_\_\_\_ $180.00\_\_\_\_\_ $50.00\_\_\_\_\_

\*Students shall be defined as any individual currently enrolled in a program reviewed by the Committee on Accreditation for Education in Electroneurodiagnostic Technology (CoA-END) and accredited by the Commission on Accreditation of Allied Health Education Programs. Verification of student status must accompany application. Verification will also be required at sign in.

**Membership Dues enclosed $25 ($15 students) $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **Registration Fee enclosed** $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Make checks payable to **CSET**. There will be a **$25** returned check fee.

**For Credit Card Payments- there is a 2.75% charge for credit card payments**

**Card Type (Circle one)** Mastercard Visa Discover American Express

**Card# \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Exp date\_\_\_\_\_\_\_\_\_\_**

**Security#\_\_\_\_\_\_\_\_\_(3 digit number on back of card or 4 digit number on Front of American Express card)**

**Billing name and address (please fill in completely)**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Street Address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**City:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_State\_\_\_\_\_\_Zip\_\_\_\_\_\_\_\_\_\_\_\_\_**

**REGISTRATION INFORMATION** (Please Print Legibly)

Name: (For name tag)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Credentials\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company/Institutional Affiliation\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mailing Address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Preferred Phone # \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Work or Home (Circle)

E-mail Address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Your e-mail is required in order for you to access handouts from Dropbox.

Send to:

**Pat Trudeau**

**10131 Westby Rd**

**Marshfield, WI 54449**
PAT.TRUDEAUEEG@GMAIL.COM