

## 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](mailto:Batson.sara@mayo.edu)

### Secretary/Treasurer

Pat Trudeau

### Vendor Chairperson

Shawn Carter-Brown

### Local Arrangers

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**

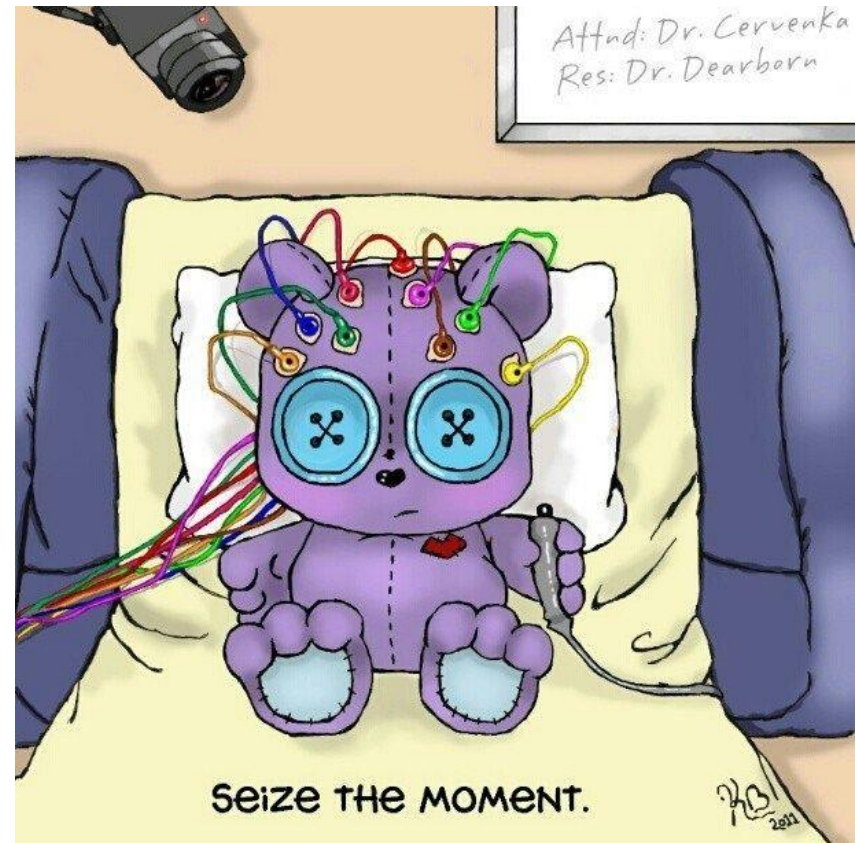
**When: Friday April 26, 2019**

**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 vendor 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, FASN, LSSGB  
& Michelle McHugh, CNIM, R.EEGT.**

|             |   |
|-------------|---|
| 08:00-08:45 | Understanding of Patient Burns and Sources<br>Brett Netherton MS, CNIM, FASN, FACNS               |
| 08:45-09:45 | Principles of Simulation for IONM Applications<br>Larry, Wierzbowski AuD, DABNM, FASN             |
| 09:45-10:00 | Vendor Break  |
| 10:00-10:45 | Mapping the Brain and Spinal Cord<br>Tom Epplin Zapf PhD, CNIM                                    |
| 10:45-11:30 | Communicating "ALERTS": Tactful Delivery Under Stress<br>Derek Stanfield, D.C., CNIM              |
| 11:30-13:00 | CSET Business Meeting/Lunch   |
| 13:00-14:00 | Neurosurgery Update on Arnold Chiari Procedures and<br>Neuromonitoring Findings<br>Dr. Dan Heffez |
| 14:00-15:00 | Medical Negligence: Case Reviews and Open Discussion<br>Sabrina Faust R.EEG/EPT, CNIM, CLTM       |
| 15:00-15:20 | Vendor Break  |
| 15:20-16:20 | How Does clinical Outcomes Drive Performance<br>Improvement?<br>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, FASN, LSSGB  
& Michelle McHugh, CNIM, R.EEGT.**

|             |  |
|-------------|--|
| 08:00-08:45 | Aneurysm Surgery<br>Dr. Bhattacharjee  |
| 08:45-09:30 | (LQP) –TcMEP During Aneurysm Surgeries<br>Ernesto Lima MD, D. ABNM, CNIM   |
| 09:45-10:00 | Vendor Break   |
| 10:00-10:45 | RLN MEP's<br>Matt Cotton MS, CNIM, FASN  |
| 10:45-11:30 | Opioids Effects on the CNS and Impact on Neurodata<br>Acquisition<br>MeChelle Vance CNIM, LSSGB  |
| 11:30-12:30 | Lunch  |
| 12:30-13:30 | Corticobulbar MEP's<br>James Watt BS, CNIM, R.EPT  |
| 13:30-14:30 | Critical IONM Alerts<br>Tom Epplin Zapf PhD, CNIM  |
| 14:30-15:00 | (LQP)-TcMEP using DTS (Double Train Stimulation)<br>Technique During Spine Surgery<br>Ernesto Lima MD, D. ABNM, CNIM<br>Marcia Davidson R.EEG/EP T, CNIM, RN,<br>R.PSG T., RET |
| 15:00-16:00 | CranioMetric Points and Brain Anatomy/Head Measuring<br>Hands on Workshop<br>Ernesto Lima MD, D. ABNM, CNIM<br>Marcia Davidson R.EEG/EP T, CNIM, RN,<br>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<br>Shawn Carter-Brown, R.EEG T., CLTM, CNIM                                 |
| 09:00-10:00 | Normal EEG Patterns, Variants and Benign Patterns<br>Anna-Marie Beck, MOL, R.EEG T., FASET                        |
| 10:00-10:15 | Vendor Break  |
| 10:15-11:00 | Electrodes and Skin Integrity<br>Leah Hanson R.EEG/EP T.  |
| 11:00-11:30 | Updating Job Descriptions and Job Compensation<br>Marcia Davidson R.EEG/EP T, CNIM, RN,<br>R.PSG T., RET          |
| 11:30-13:00 | CSET Business Meeting/Lunch   |
| 13:00-14:00 | Artifacts<br>Jennifer Vierkant R.EEG/EP T., CLTM, RPSGT   |
| 14:00-15:00 | ILAE Epilepsy Classification<br>Lee Wolfenbarger R.EEG T.   |
| 15:00-15:30 | Vendor Break  |
| 15:30-16:30 | Benign Pediatric Epilepsy: Characterization, Classification<br>and EEG Features:<br>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<br>Dr. Chris Anderson   |
| 09:00-09:45  | Emergency Room Visits Recovery diagnosis of Psychogenic<br>Non-Epileptic Events (PNEE) as a Diagnosis<br>Linda Allen BSN, RN |
| 09:45 -10:00 | Vendor break   |
| 10:00-11:00  | The Hidden Information in EEG Recordings – Part of our<br>Future<br>Dr. Kurt Hecox   |
| 11:00-11:30  | How to Build an ENDT Business<br>Keith Morgan R.EEG T.   |
| 11:30-13:00  | Lunch  |
| 13:00-14:00  | Continuous EEG for Prognostication after Cardiac Arrest<br>Dr. Janel Schneider   |
| 14:00-15:00  | Why cEEG in the ICU<br>Monte Molenkamp BS, R.EEG T., CNIM  |
| 15:00-16:00  | CLTM Board Prep<br>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

#### Course 1: IONM

|                |                |               |
|----------------|----------------|---------------|
| CSET Member    | Non-Member     | Student*      |
| \$135.00 _____ | \$180.00 _____ | \$50.00 _____ |

#### 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](mailto:PAT.TRUDEAUEEG@GMAIL.COM)**