

## CNMS UEC Agenda – Wednesday, January 23, 2023

1:02PM Eastern Time

**Participants** (attendees in blue)

**Chair** – Zach Hood (Argonne Natl Lab)

**Vice-Chair** – Piran Kidambi (Vanderbilt)\*

**Secretary** – Masoud Mahjouri-Samani (Auburn U.)

**At-Large Members:**

Tatiana Allen (U. Tennessee-Chattanooga); Liam Collins (ORNL.); Ethan Self (ORNL)\*; Jon Camden (Notre Dame)\*; Wan-Yu Tsai (ORNL)

**Past Chair, ex officio member** – Shengxi Huang (Penn State)

**CNMS (non-members)** – Lisa Goins, Brad Lokitz, Karren More, Tracy Whitaker, Bobby Sumpter

**Industrial Liaison Member:** Jacob Swett (Recognition AnalytiX)

\* indicates newly elected

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### Welcome and Introductions (Brad, Zach)

#### CNMS and ORNL operations update: (Brad, Karren)

- Operations have been moving smoothly at the CNMS for many months, In fact, operations are almost back to normal
- Jeff Smith will be the interim ORNL Director
- CNMS Proposal call finished in December
- 165 proposals submitted
- 145 approved
- High acceptance rate this cycle; the CNMS will look into this item
- Big issue: reviewer participation was low
  - Action item: find new reviewers to include on the CNMS review committee
  - The CNMS UEC will assemble a subcommittee to address this issue; this subcommittee will help draft an e-mail to send out the User Group for volunteer reviewers and will consider creating a panel for proposal reviews

#### CNMS User Meeting Discussion (Zach, Brad)

- Items to consider:
  - Location (e.g., in-person meeting in downtown Knoxville)
    - One item to consider: what would the participation look like from the CNMS at an off-site User Meeting
    - The CNMS UEC encourages an in-person meeting with the location being in downtown Knoxville
- Schedule/Dates
  - One and a half days is the desired length for the user meeting
  - The week of August 7 – 11 works best for CNMS staff
    - Plenary lectures
    - Invited speakers
    - Workshops
    - DEI-related session
    - Registration fees?

#### Subcommittees (Zach)

- CNMS UEC DEI subcommittee
  - Responsibilities of this subcommittee:
    - Contribute to a PIER plan statement (Promoting Inclusive and Equitable Research)
    - Organization of one DEI-related event the CNMS User Meeting
- CNMS User Meeting subcommittee
  - Responsibilities of this subcommittee:
    - Make recommendations of the date/location of the CNMS User Meeting
    - Create a schedule for the CNMS User Meeting
    - Collect/evaluate nominations for plenary lectures and invited talks

- Evaluate abstracts for contributed talks and posters
- Assist the CNMS with the organization of workshops
- Evaluate student posters for “Best Student Presentation” awards
- Evaluate nominations for the “Outstanding CNMS Staff Member Award”
- CNMS User Proposal Review subcommittee
  - Responsibilities of this subcommittee:
    - Provide feedback to the CNMS involving a proposed “review panel”
    - Assist the CNMS in identifying new reviewers for user proposals

**User newsletter and webinars (Brad)**

- Tracy is taking over the CNMS newsletter
- The CNMS is currently planning webinars
  - A webinar involving the 3D printing lab is almost complete
  - The CNMS UEC suggests a webinar on newer capabilities at the CNMS

**Suggestion box (Brad)**

- Empty

**New business**

- Action item: Update the CNMS UEC website
- Action item: Include meeting minutes on the CNMS UEC website

***Adjourned: 1:55pm EST***

*Next Conference Call: February 22, 1:00pm Eastern Time*

# CNMS UEC Agenda – Wednesday, February 22, 2023

1:02PM Eastern Time

**Participants** (attendees in blue)

**Chair** – Zach Hood (Argonne Natl Lab)

**Vice-Chair** – Piran Kidambi (Vanderbilt)

**Secretary** – Masoud Mahjouri-Samani (Auburn U.)

**At-Large Members:**

Tatiana Allen (U. Tennessee-Chattanooga); Liam Collins (ORNL.); Ethan Self (ORNL); Jon Camden (Notre Dame); Wan-Yu Tsai (ORNL)

**Past Chair, ex officio member** – Shengxi Huang (Penn State)

**CNMS (non-members)** – Lisa Goins, Brad Lokitz, Karren More, Tracy Whitaker, Bobby Sumpter

**Industrial Liaison Member:** Jacob Swett (Recognition AnalytiX)

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## **CNMS and ORNL operations update: (Karren)**

- Operations have been moving smoothly at the CNMS for many months; In fact, operations are almost back to normal
- Jeff Smith is the interim ORNL Director
- The CNMS will be reviewed every 5 years instead of every 3 years

## **CNMS User Meeting Discussion/Update (Zach, Brad)**

- Items to consider:
  - Location: Downtown Knoxville
  - Schedule/Dates: August 8th and 9th (9th will be a half day)
  - Plenary lectures
  - Invited speakers
  - Workshops
  - DEI-related session
- User meeting will be held Tuesday and Wednesday August 8th and 9th (9th will be ½ day) in downtown Knoxville
- 1 and 2 day workshops to be held at hotel or CNMS on Monday, Thursday, Friday
- CNMS Tours Monday and Wednesday afternoon
- Feature invited user talks nominated from groups
- Round table break out/speed dating sessions with groups
- Town hall to be panel discussion w/ DD and theme leads
- Long lunch break on Tuesday to allow networking
- Poster session Tuesday night with cash bar
- Send save the date email

## **CNMS UEC DEI subcommittee: first meeting on 2/23 (Piran)**

- Members: Piran, Ethan, Zach, Brad, Tracy
- Action items:
  - Contribute to a PIER plan statement (Promoting Inclusive and Equitable Research)
  - Organization of one DEI-related event at the CNMS User Meeting

## **CNMS User Proposal Review subcommittee: first meeting on 3/3 (Liam)**

- Members: Liam, Ethan, Jon, Wan-Yu, Brad, Tracy, Tatiana, Zach
- Action items:
  - Provide feedback to the CNMS involving a proposed “review panel”
  - Assist the CNMS in identifying new reviewers for user proposals

## **User newsletters and webinars (Karren)**

- Tracy is taking over the CNMS newsletter
  - Draft ready
- The CNMS is currently planning webinars
  - A webinar involving the 3D printing lab is almost complete
  - The CNMS UEC suggests a webinar on newer capabilities at the CNMS

## **Suggestion box (Lisa)**

- Empty

**New business/action items**

- Action item: Send out a survey to CNMS staff for plenary and invited talks
- Action item: Include meeting minutes on the CNMS UEC website

***Adjourned: 1:23pm EST***

*Next Conference Call: March 22, 1:00pm Eastern Time*

# CNMS UEC Agenda – Wednesday, March 22, 2023

1:02PM Eastern Time

**Participants** (attendees in blue)

**Chair** – Zach Hood (Argonne Natl Lab)

**Vice-Chair** – Piran Kidambi (Vanderbilt)

**Secretary** – Masoud Mahjouri-Samani (Auburn U.)

**At-Large Members:**

Tatiana Allen (U. Tennessee-Chattanooga); Liam Collins (ORNL.); Ethan Self (ORNL); Jon Camden (Notre Dame); Wan-Yu Tsai (ORNL)

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**Industrial Liaison Member:** Jacob Swett (Recognition AnalytiX)

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## CNMS and ORNL operations update: (Karren)

- No major news out of the CNMS
- The Spring proposal call will close in May (user projects will start August)

## CNMS User Meeting Subcommittee Update (Zach, Brad)

- Specific items:
  - Location: Downtown Knoxville
    - Crown Plaza Downtown Knoxville
    - Government rate for rooms
    - One main room for the plenary and poster sessions
    - Three smaller rooms (~60 people per room) for breakout sessions
  - Schedule/Dates: August 8th and 9th (9th will be a half day)
    - Plenary lectures - collecting recommendations.
    - Invited speakers - collecting recommendations.
    - Workshops
      - CryoEM workshop for sample prep
      - Title: “Autonomous Characterization and Synthesis”; Organizers: Yongtao Liu, Kevin Roccapriore, Maxim Ziatdinov, Rama Vasudevan
      - Understanding structure and dynamics of charged polymers using neutron scattering.
      - Novel materials for neuromorphic computing (Liangbo Liang, Petro Maksymovych)
  - DEI-related session
    - To be organized by the CNMS UEC DEI subcommittee

## CNMS UEC DEI subcommittee Update: first meeting on 2/23 (Piran)

- Goals of the subcommittee:
  - Contribute to a PIER plan statement (Promoting Inclusive and Equitable Research)
  - Organization of one DEI-related event at the CNMS User Meeting
  - SMART goals for PIER plan
    - Lessen barriers for access.
    - Create a resource that outlines travel grants to the CNMS.
      - ECS and ISE travel funds may be possible.
      - Double check with ORAU
- Reducing barrier to access – including physical access to CNMS
  - Increasing user proposal system access
  - Module on proposal development – webinar organized by CNMS – include reviewers.
  - Two page proposal exercise as part of the webinar
- List all papers from the tool under the tool on the CNMS website.
  - Link this with re-design of CNMS website with a short intro to scientist like Berkeley Lab
- Reaching out to administrators at minority serving institutions 3-5 hours and ask what they would find useful.
  - Internships and co-op programs
  - Bachelor thesis
  - Short form for expertise and instrumentations

- CNMS user meeting – speaker for implicit bias in peer review

### **CNMS User Proposal Review subcommittee update: first meeting on 3/3 (Liam)**

- Goals of the subcommittee:
  - Provide feedback to the CNMS involving a proposed “review panel.”
  - Identify areas of reviewers we are short in reviewers and look at adding experiencing to collaborators.
  - Discuss ways we could revise review process.
- Notes:
  - Provide feedback to the CNMS involving a proposed “review panel.”
  - Panel discussed pros and cons of utilizing a review panel.”
    - Pros:
      - Might be fairer.
      - Less ad-hoc
      - Ease logistics around finding reviewers.
      - Opportunities to address reviewers’ questions in Realtime.
    - Cons:
      - A lot of reviews per reviewer often outside of reviewer’s expertise
      - Expensive (for onsite)
      - Doing online vs teams/zoom often lacks engagement
  - Panel also discuss using review panel in different form (e.g., as part of an appeal process). This way the review panel would be utilized only for a small number of “problematic” reviews that need special attention or a second look.
  - Identify areas of reviewers we are short in reviewers and look at adding experiencing to collaborators
    - Typically there is a 80-90% response rate typically, last year it was 65-70% this rate.
    - Brad has requested new reviewer names from CNMS staff, is compiling a new list and will share with UEC.
    - UEC will work to plug any gaps in areas where we have limited numbers of reviewers
  - Discuss ways we can improve review process
  - DEI-A subcommittee raised point of double-blind view – Would require revamping some of the review process/questions/information to reviewers.
    - We discussed the balance between weighting past track records vs new users
    - Discussed the tradeoff between Reaching Metrics vs Balancing diversity
    - We discussed possibility of utilizing a portion of the Directors Discrepancy for diversity and inclusion purposes.
    - Incentivize staff somehow to work with DEI-A

### **User newsletters and webinars (Brad)**

- No update here

### **Suggestion box (Lisa)**

- Empty

### **New business/action items**

- User Meeting: Save the date and a website for the CNMS User Meeting
- Find Sponsors for the User meeting (Brad to follow up with Karren)

***Adjourned: 1:52pm EST***

*Next Conference Call: April 26, 1:00pm Eastern Time*

## CNMS UEC Agenda – Wednesday, April 26, 2023

1:02PM Eastern Time

**Participants** (attendees in blue)

**Chair** – Zach Hood (Argonne Natl Lab)

**Vice-Chair** – Piran Kidambi (Vanderbilt)

**Secretary** – Masoud Mahjouri-Samani (Auburn U.)

**At-Large Members:**

Tatiana Allen (U. Tennessee-Chattanooga); Liam Collins (ORNL.); Ethan Self (ORNL)\*; Jon Camden (Notre Dame)\*; Wan-Yu Tsai (ORNL)

**Past Chair, ex officio member** – Shengxi Huang (Penn State)

**CNMS (non-members)** – Lisa Goins, Brad Lokitz, Karren More, Bobby Sumpter

**Industrial Liaison Member:** Jacob Swett (Recognition AnalytiX)

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### CNMS and ORNL operations update: (Karren & Brad)

- The CNMS review will be in March 2024 (in person meeting)
- Proposal call closes next Wednesday.
- Operations have been going smoothly at the CNMS.
- CNMS leadership hosted a luncheon for “Admin Appreciation Day.”

### CNMS User Meeting subcommittee update (Brad and Zach)

- Specific items:
  - Location: Downtown Knoxville
    - Crown Plaza Downtown Knoxville
    - Government rate for rooms
    - One main room for the plenary and poster sessions
    - Three smaller rooms (~60 people per room) for breakout sessions
  - Schedule/Dates: August 8<sup>th</sup> and 9<sup>th</sup> (9<sup>th</sup> will be a half day)
  - Plenary lectures:
    - David Masiello, University of Washington (confirmed)
    - Prefer an in-person speaker for the second speaker.
      - Invited speakers:
        1. Macromolecular Nanomaterials: Amanda Marciel, Rice University (confirmed)
        2. Functional Hybrid Nanomaterials (Catalysis): Feng Yuan Zhang, UT-Knoxville (confirmed)
        3. Scanning Transmission Electron Microscopy: Steven Stevenson, Purdue University - Fort Wayne (confirmed)
        4. Theory and Computation: Jerry Bernholc, North Carolina State University (confirmed)
        5. Theory and Computation: Liping Yu, University of Maine (confirmed)
        6. Theory and Computation: Sarah King, The University of Chicago (confirmed)
        7. We are waiting on two invitations:
          - a. Theory and Computation: Stephan Irle, ORNL
          - b. Functional Hybrid Nanomaterials (Sensors): Jill Venton, University of Virginia
  - DEIA-related session:
    - "Promoting Diversity and Overcoming Implicit Bias in Scientific User Facilities and User Groups"

- Moderator: Piran Kidambi
- Invited Lady Idos, DOE, Deputy Director, and the head of the Office of DEIA) to provide a main talk.
- Panel discussion to follow the main talk.
  - Workshops
    1. CryoEM workshop for sample prep
    2. Title: “Autonomous Characterization and Synthesis”; Organizers: Yongtao Liu, Kevin Roccapiore, Maxim Ziatdinov, Rama Vasudevan
    3. Understanding structure and dynamics of charged polymers using neutron scattering.
    4. Novel materials for neuromorphic computing (Liangbo Liang, Petro Maksymovych)

**CNMS UEC DEI subcommittee update: first meeting was on 2/23 (Piran)**

- Goals of the subcommittee:
  - Contribute to a PIER plan statement (Promoting Inclusive and Equitable Research)
    - SMART goals for PIER plan
    - Lessen barriers for access.
    - Zach contributed an activity that can be turned into a webinar related to user proposal writing in the classroom.
  - Organization of one DEI-related event at the CNMS User Meeting (see above)

**CNMS User Proposal Review subcommittee update: first meeting was on 3/3 (Liam)**

- Goals of the subcommittee:
  - Provide feedback to the CNMS involving a proposed “review panel.”
  - Identify areas of reviewers we are short in reviewers and look at adding experiencing to collaborators.
  - Discuss ways we could revise review process.
- Notes:
  - We discussed a potential double-blind review process for the CNMS user proposals.
  - A survey will be created to get feedback from reviewers of CNMS user proposals.

**User newsletters and webinars (Brad)**

- User newsletter went out the week of April 17<sup>th</sup>.

**Suggestion box (Brad)**

- Empty

**New business/action items**

- Update website for the CNMS User Meeting (Brad and Lisa)
- Open abstract submission portal and registration for the CNMS User Meeting in early May
- The user proposal subcommittee to discuss a possible survey for getting feedback from reviewers of CNMS proposals.

**Ending time:** 1:48 pm EST

## **CNMS UEC Agenda – Wednesday, May 24, 2023**

**1:02 pm Eastern Standard Time**

**Participants** (attendees in blue)

**Chair** – [Zach Hood](#) (Argonne Natl Lab)

**Vice-Chair** – [Piran Kidambi](#) (Vanderbilt)

**Secretary** – [Masoud Mahjouri-Samani](#) (Auburn U.)

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**Past Chair, *ex officio* member** – Shengxi Huang (Penn State)

**CNMS (non-members)** – [Lisa Goins](#), [Brad Lokitz](#), [Karren More](#), [Bobby Sumpter](#)

**Industrial Liaison Member:** [Jacob Swett](#) (Recognition AnalytiX)

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### **CNMS and ORNL operations update: (Brad)**

- Website will be redesigned and updated
- Operations are back to normal
- Dr. Mikhail (Misha) Zhernenkov and Dr. Dava Keavney named program managers for scientific user facilities

### **CNMS User Meeting subcommittee update (Brad and Zach)**

- Specific items
  - Location: Downtown Knoxville
    - Crown Plaza Downtown Knoxville
    - Government rate for rooms
    - One main room for the plenary and poster sessions
    - Three smaller rooms (~60 people per room) for breakout sessions
  - Schedule/Dates: August 8<sup>th</sup> and 9<sup>th</sup> (9<sup>th</sup> will be a half day)
  - Plenary lectures:
    - David Masiello, University of Washington (confirmed)
    - Invited Prof. Sandra Rosenthal from Vanderbilt – waiting on a response
  - Invited speakers:
    - Macromolecular Nanomaterials: Amanda Marciel, Rice University (confirmed)
    - Functional Hybrid Nanomaterials (Catalysis): Feng Yuan Zhang, UT-Knoxville (confirmed)
    - Scanning Transmission Electron Microscopy: Steven Stevenson, Purdue University - Fort Wayne (confirmed)
    - Theory and Computation: Jerry Bernholc, North Carolina State University (confirmed)
    - Theory and Computation: Liping Yu, University of Maine (confirmed)
    - Theory and Computation: Sarah King, The University of Chicago (confirmed)

- Functional Hybrid Nanomaterials (Sensors): Jill Venton, University of Virginia (confirmed)
  - Scanning Probe Microscopy – Jon Ihlefeld, UVA (confirmed)
- DEIA-related session:
  - "Promoting Diversity and Overcoming Implicit Bias in Scientific User Facilities and User Groups"
  - Moderator: Piran Kidambi
  - Invited Speaker: Natalie Holder, SLAC (confirmed)
  - Panelists:
    - Eva Zarkadoula, CNMS Staff (confirmed)
    - Brad will follow up with ORNL to check for additional recommendations
- Panel discussion to follow the main talk
- Workshops:
  - CryoEM workshop for sample prep
  - Title: "Autonomous Characterization and Synthesis"; Organizers: Yongtao Liu, Kevin Roccapriore, Maxim Ziatdinov, Rama Vasudevan
  - Understanding structure and dynamics of charged polymers using neutron scattering
  - Novel materials for neuromorphic computing (Liangbo Liang, Petro Maksymovych)
- The call for abstracts is out

#### **CNMS UEC DEI subcommittee update**

- See notes above for the DEIA session at the CNMS User Meeting

#### **CNMS User Proposal Review subcommittee update**

- Identified new reviewers for CNMS User Proposals
- Plans are underway to update the review process at the CNMS

#### **User newsletters and webinars (Brad)**

- No updates

#### **Suggestion box (Brad)**

- No items in the suggestion box

#### **New business/action items**

- None to report this month

**End time:** 1:35 pm EST

## **CNMS UEC MEETING – Wednesday, August 2, 2023 (for July, 2023)**

**1:02 pm Eastern Standard Time**

**Participants** (attendees in blue)

**Chair** – [Zach Hood](#) (Argonne Natl Lab)

**Vice-Chair** – [Piran Kidambi](#) (Vanderbilt)

**Secretary** – [Masoud Mahjouri-Samani](#) (Auburn U.)

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**Past Chair, *ex officio* member** – Shengxi Huang (Penn State)

**CNMS (non-members)** – [Lisa Goins](#), [Brad Lokitz](#), [Karren More](#), [Bobby Sumpter](#)

**Industrial Liaison Member:** [Jacob Swett](#) (Recognition AnalytiX)

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### **CNMS and ORNL operations update: (Brad)**

- No new updates for the CNMS operations; all is going well
- User Meeting is 8/7 – 8/11

### **CNMS User Meeting subcommittee update (Brad and Zach)**

- Agenda is finalized.
- Clipboards will be provided for the poster judges.
- All of the UEC will be assigned 6-7 posters each (2 judges each)
- Badge requests are finalized.
- Lisa finished travel requests.

### **CNMS User Proposal Review subcommittee update (Liam)**

- Plans are underway to update the review process at the CNMS.
- The reviewer response rate was about 88% for this cycle.
- More updates to come in future months.

### **User newsletters and webinars (Brad)**

- The CNMS will send out the newsletter in Q4.
- We will discuss fall webinars at the CNMS User Meeting, based on feedback from the workshops.

### **Suggestion box (Brad)**

- No items in the suggestion box

### **New business/action items**

- The UEC is gearing up for the user meeting, and excited for the discussions this upcoming week.

**End time:** 1:35 pm EST

## **CNMS UEC MEETING – Wednesday, June 28, 2023**

**1:02 pm Eastern Standard Time**

**Participants** (attendees in blue)

**Chair** – Zach Hood (Argonne Natl Lab)

**Vice-Chair** – Piran Kidambi (Vanderbilt)

**Secretary** – Masoud Mahjouri-Samani (Auburn U.)

**At-Large Members:**

Tatiana Allen (U. Tennessee-Chattanooga); Liam Collins (ORNL.); Ethan Self (ORNL)\*; Jon Camden (Notre Dame)\*; Wan-Yu Tsai (ORNL)

**Past Chair, *ex officio* member** – Shengxi Huang (Penn State)

**CNMS (non-members)** – Lisa Goins, Brad Lokitz, Karren More, Bobby Sumpter

**Industrial Liaison Member:** Jacob Swett (Recognition AnalytiX)

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### **CNMS and ORNL operations update: (Brad)**

- ~\$8 million dollars will be invested into the microelectronic research.
- Purchased a scanning nitrogen vacancy microscope (used FWP \$\$) for Quantum Research
- The 5-year review will occur in March 2024
- The CNMS is updating the lobby visuals.
- Website is making progress as well (one person from communications is working on this at ORNL, so the progress has been slow); plan is to have the website updated before the March 2024 review; DOE has mandated that more content is required on the website.
- Proposal call notifications went out yesterday.

### **CNMS User Meeting subcommittee update (Brad and Zach)**

- Total abstracts (to date): 52 abstracts submitted.
- Total registrations (to date): 225
- Items to fill in:
  - Session chairs (Masoud, Jon, Liam, and Ethan)
  - Poster Judges (all UEC members at the meeting)
- Specific meeting items:
  - Location: Downtown Knoxville
    - Crown Plaza Downtown Knoxville
    - Government rate for rooms
    - One main room for the plenary and poster sessions
    - Three smaller rooms (~60 people per room) for breakout sessions
  - Schedule/Dates: August 8<sup>th</sup> and 9<sup>th</sup> (9<sup>th</sup> will be a half day)
  - Plenary lectures:
    - David Masiello, University of Washington (confirmed)
    - Oana Jurchesku, Wake Forest University (confirmed)
  - Invited speakers:
    - Macromolecular Nanomaterials: Amanda Marciel, Rice University (confirmed)
    - Functional Hybrid Nanomaterials (Catalysis): Feng Yuan Zhang, UT-Knoxville (confirmed)

- Scanning Transmission Electron Microscopy: Steven Stevenson, Purdue University - Fort Wayne (confirmed)
- Theory and Computation: Jerry Bernholc, North Carolina State University (confirmed)
- Theory and Computation: Liping Yu, University of Maine (confirmed)
- Theory and Computation: Sarah King, The University of Chicago (confirmed)
- Functional Hybrid Nanomaterials (Sensors): Jill Venton, University of Virginia (confirmed)
- Scanning Probe Microscopy – Jon Ihlefeld, UVA (confirmed)
- DEIA-related session:
  - "Promoting Diversity and Overcoming Implicit Bias in Scientific User Facilities and User Groups"
  - Moderator: Piran Kidambi
  - Invited Speaker: Natalie Holder, SLAC (confirmed)
  - Confirmed panelists:
    - Eva Zarkadoula, CNMS Staff
    - Juan Restrepo, Oak Ridge National Laboratory
    - Possibly one more panelist from ORAU
- Workshops:
  - Autonomous Characterization and Synthesis
  - CryoEM
  - Novel Materials for Neuromorphic Computing
  - Understanding Structure and Dynamics of Charged Polymers
  - Chemical Characterization of Materials
  - Novel Materials for Neuromorphic Computing
- HBCU update:
  - Six representatives from the HBCU will be attending the meeting.
  - The CNMS has plans to sponsor two students from HBCUs for two years to complete their graduate work.
  - The CNMS plans to have an announcement and flyer at the User Meeting

#### **CNMS UEC DEI subcommittee update (Zach)**

- See notes above for the DEIA session at the CNMS User Meeting

#### **CNMS User Proposal Review subcommittee update (Liam)**

- Plans are underway to update the review process at the CNMS.
- Useful discussions:
  - Pros and Cons of the current review process
  - Possibility of having a review panel of non-CNMS members
  - Identified new reviewers for CNMS User Proposals
  - There could be advantages of using the Director's discretionary time for HBCUs and MSIs
  - Possibly include a line in the reviewer form that includes information about the reviewer's previous experience with the CNMS (e.g., have they used the facilities at the CNMS in the past 2 years)

- The reviewer response rate was about 88% for this cycle.

**Proposal Call (Brad)**

- 113 out of 149 were accepted for CNMS support.

**User newsletters and webinars (Brad)**

- The CNMS will send out the newsletter in Q2 and Q4
- We will discuss fall webinars at the CNMS User Meeting, based on feedback from the workshops

**Suggestion box (Brad)**

- No items in the suggestion box

**New business/action items**

- The UEC plans to participate in checking the updated CNMS website in January 2024, in preparation for the March 2024 review.
- The CNMS UEC will discuss the webinars with workshop leads at the 2023 CNMS User Meeting
- User Meeting action items: 1) review abstracts (Lead: Zach), 2) finalize selections for contributed talks (Lead: Zach + session chairs), 3) finalize and post schedule (Leads: Zach, Brad, and Lisa), 4) finalize items for the group speed dating (Lead: Brad), and 5) send out poster acceptance e-mails and details regarding the poster slam, poster session, and student awards (Lead: Zach)

**End time:** 1:48 pm EST

## CNMS UEC Agenda – Wednesday, August 23, 2023

1:02PM Eastern Time

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**Vice-Chair** – Piran Kidambi (Vanderbilt)\*

**Secretary** – Masoud Mahjouri-Samani (Auburn U.)

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**Industrial Liaison Member:** Jacob Swett (Recognition AnalytiX)

\* *Indicates newly elected*

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**Welcome and Introductions (Brad, Zach)**

**CNMS and ORNL operations update: (Brad, Karren)**

- Linda Horton set up a subcommittee to review the NSRCs.
- Directors of NSRCs were in Washington DC this week to present/discuss the impact of the centers; the directors had very valuable discussions regarding the user community, impact of the NSRCs, DEIA, etc.
- CNMS is “re-vamping” the website; updates to come.
- By the end of the week, the user interaction module will be rolled out in the CNMS proposal submission system.
- The CNMS has generated QR codes to link documents to the CNMS website (and specific groups at the CNMS)
- CNMS Call for User Proposals is officially open and CNMS UEC nominations are open.

**CNMS User Meeting reflections (Brad and Zach)**

- What went well at the 2023 CNMS User Meeting?
  - An in-person meeting is more effective than a virtual meeting.
  - Attendees noted that downtown Knoxville was an excellent place to host the user meeting and that the meeting was affordable.
  - Flow of the meeting was excellent; the CNMS can use this year’s user meeting as a template for future years.
  - Two parallel track sessions worked well, considering the attendance (e.g., >40 participants each)
  - Workshops were well attended, and the topical areas were popular among the attendees.
  - Starting off with a brief welcome, followed up with a CNMS overview (from the CNMS Director), followed by a DOE speaker was a great way to set the tone/objectives of the user meeting.
  - The “Group Speed Dating” followed by an extended lunch (1 hour 45 minutes) received praise from the user community and CNMS staff scientists; this event should be integrated (and possibly extended) in future years of the CNMS user meeting.
  - The DEIA event after lunch was praised by attendees and CNMS staff scientists; having this event after lunch can educate folks on important DEIA-related topics.
  - Track sessions that reflect theme science at the CNMS sparked conversations (and follow-on collaborations)



## CNMS UEC Agenda – Wednesday, September 27, 2023

1:02PM Eastern Time

**Participants** (attendees in blue)

**Chair** – Zach Hood (Argonne Natl Lab)

**Vice-Chair** – Piran Kidambi (Vanderbilt)\*

**Secretary** – Masoud Mahjouri-Samani (Auburn U.)

**At-Large Members:**

Tatiana Allen (U. Tennessee-Chattanooga); Liam Collins (ORNL.); Ethan Self (ORNL)\*; Jon Camden (Notre Dame)\*; Wan-Yu Tsai (ORNL)

**Past Chair, *ex officio* member** – Shengxi Huang (Penn State)

**CNMS (non-members)** – Lisa Goins, Brad Lokitz, Karren More, Tracy Whitaker, Bobby Sumpter

**Industrial Liaison Member:** Jacob Swett (Recognition AnalytiX)

\* *Indicates newly elected*

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**Welcome and Introductions (Brad, Zach)**

**CNMS and ORNL operations update: (Brad, Karren)**

- Directors from DOE NSRCs went to the BESAC Meeting
  - About 30 questions were asked as a follow-up
  - BESAC plans to have a report ready by the end of December.
  - The BESAC committee were mostly positive about the NSRCs.
- Brad went to a HBCU/MSI-related conference and had a booth about two weeks ago; 60% of the folks opened follow-up e-mails from this conference.
- The CNMS will have representatives at the MRS Fall meeting in Boston, Massachusetts
- The CNMS Call for Proposes closes on October 18<sup>th</sup>.

**CNMS User Meeting Follow-up (Brad and Zach)**

- A highlight article was published by ORNL about the User Meeting (<https://www.ornl.gov/news/annual-meeting-world-class-nanophase-materials-sciences-users-earns-praise-exciting-program>)
- This article received a DOE Office of Science Highlight

**CNMS UEC nominations (Brad)**

- The CNMS received 9 UEC nominations (1 for vice chair, 2 for secretary, and 6 for at-large members)
- The CNMS UEC is currently searching for an at-large industrial liaison member.

**CNMS User Proposal Review subcommittee update (Liam)**

- The CNMS User Proposal Review subcommittee proposed a method for identifying “outlier” reviews via statistical methods.
- This “discrepancy resolution” was proposed for review by the CNMS UEC this month.
- Brad will run the process on data sets from previous years to test the effectiveness of the method.

**User newsletters and webinars (Brad)**

- The CNMS will send out a newsletter in Q4.
- A Fall/Winter webinar will be planned by the CNMS and Zach Hood; this webinar will focus on “Preparing User Proposals for DOE User Facilities.”

**Suggestion box (Brad)**

- No items in the suggestion box

New business/action items

- Natalie Holder will be a speaker at the SSURF meeting in Washington, DC
- The CNMS UEC will review the “discrepancy resolutions” for our October CNMS UEC Meeting

**End time:** 1:30 pm EST

## CNMS UEC Agenda – Wednesday, October 25, 2023

1:02PM Eastern Time

**Participants** (attendees in blue)

**Chair** – Zach Hood (Argonne Natl Lab)

**Vice-Chair** – Piran Kidambi (Vanderbilt)\*

**Secretary** – Masoud Mahjouri-Samani (Auburn U.)

**At-Large Members:**

Tatiana Allen (U. Tennessee-Chattanooga); Liam Collins (ORNL.); Ethan Self (ORNL)\*; Jon Camden (Notre Dame)\*; Wan-Yu Tsai (ORNL)

**Past Chair, ex officio member** – Shengxi Huang (Penn State)

**CNMS (non-members)** – Lisa Goins, Brad Lokitz, Karren More, Bobby Sumpter

**Industrial Liaison Member:** Jacob Swett (Recognition AnalytiX)

\* *Indicates newly elected*

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**Welcome and Introductions (Brad, Zach)**

**CNMS and ORNL operations update: (Brad)**

- New lab director started at ORNL (Stephen Streifer)
- The CNMS Call for Proposals closed on October 18<sup>th</sup>.
  - 151 proposals submitted.
  - These proposals are under feasibility review with group leaders.
- Last week, the CNMS submitted their annual report to the DOE from the user satisfaction survey.
  - 753 unique users
  - Race/ethnicity information was provided this year.
  - Male/female breakdown was disclosed in the report.
  - 54% response rate this year on the user satisfaction survey

**CNMS UEC elections (Brad)**

- Candidate statements collected and the election started.
- Election closes November 3<sup>rd</sup>, 2023.

**CNMS User Proposal Review subcommittee update (Liam)**

- The CNMS User Proposal Review subcommittee proposed a method for identifying “outlier” reviews via statistical methods.
- This “discrepancy resolution” was proposed for review by the CNMS UEC this month.
- Brad will share this change with Karren More for formal approval.

**User newsletters and webinars (Brad)**

- The CNMS will send out a newsletter in Q4.
- Additionally, the CNMS website is currently being updated.
- A Fall/Winter webinar will be planned by the CNMS and Zach Hood; this webinar will focus on “Preparing User Proposals for DOE User Facilities.”

**Suggestion box (Brad)**

- No items in the suggestion box

**New business/action items**

- Zach will organize the UEC’s recommendations based on the user satisfaction survey.
- Wan-Yu recently moved to France for a new position – many congratulations to Wan-Yu!!

**End time:** 1:30 pm EST

## CNMS UEC Agenda – Wednesday, November 20, 2023

1:02aM Eastern Time

**Participants** (attendees in blue)

**Chair** – Zach Hood (Argonne Natl Lab)

**Vice-Chair** – Piran Kidambi (Vanderbilt)\*

**Secretary** – Masoud Mahjouri-Samani (Auburn U.)

**At-Large Members:**

Tatiana Allen (U. Tennessee-Chattanooga); Liam Collins (ORNL.); Ethan Self (ORNL)\*; Jon Camden (Notre Dame)\*; Wan-Yu Tsai (ORNL)

**Past Chair, ex officio member** – Shengxi Huang (Penn State)

**CNMS (non-members)** – Lisa Goins, Brad Lokitz, Karren More, Bobby Sumpter

**Industrial Liaison Member:** Jacob Swett (Recognition AnalytiX)

\* *Indicates newly elected*

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### Welcome and Introductions to New Members (Brad, Zach)

#### CNMS and ORNL operations update: (Karren and Brad)

- Dates for the 5-year review (April 30th and May 1st)
  - Previous members and new members are welcome to attend.
  - Karren may send the charge letter.
  - The review will be at the SNS/CNMS (ORNL campus)
- Update on the budget (continuum resolution)
  - The CNMS has experience with these budgetary constraints.
  - The budget is still under review.
- Website update
  - The website may not look dramatically different.
  - Idea is to make the website more accessible.
  - The user charter was updated on the CNMS website.
- CNMS User Proposal Review subcommittee update (Liam)
  - The CNMS User Proposal Review subcommittee proposed a method for identifying “outlier” reviews via statistical methods.
  - This “discrepancy resolution” was proposed for review by the CNMS UEC this month.
  - Brad will share this change with Karren More for formal approval.
- User newsletters and webinars (Brad)
  - The CNMS will send out a newsletter in Q4 (December 2023)
  - A Fall/Winter webinar will be planned by the CNMS and Zach Hood; this webinar will focus on “Preparing User Proposals for DOE User Facilities.”
- Suggestion box (Brad)
  - No items in the suggestion box
- New business/action items
  - Zach will organize the UEC’s recommendations based on the user satisfaction survey.
  - Lisa/Brad will collect data to schedule CNMS UEC meetings in 2024 (starting in January 2024)

**End time:** 1:42 pm EST