

# MSN-C Workshop 2023: Progress and Opportunities

**MSN-C**  
MATERIALS SOLUTIONS  
NETWORK AT CHESS



## Report of Contributions

Contribution ID: 1

Type: **not specified**

## Welcome

*Tuesday, 26 September 2023 08:30 (10 minutes)*

Matt Miller, Joel Brock

**Session Classification:** Session 1: MSN-C Facility and Programs

Contribution ID: 2

Type: **not specified**

## **CHES Overview Talk**

*Tuesday, 26 September 2023 08:40 (20 minutes)*

Matt Miller

**Session Classification:** Session 1: MSN-C Facility and Programs

Contribution ID: 3

Type: **not specified**

## **FMB Program Talk and Update**

*Tuesday, 26 September 2023 09:35 (40 minutes)*

Louisa Smieska

**Session Classification:** Session 1: MSN-C Facility and Programs

Contribution ID: 4

Type: **not specified**

## **MSN-C Overview Talk**

*Tuesday, 26 September 2023 09:00 (20 minutes)*

Arthur Woll

**Session Classification:** Session 1: MSN-C Facility and Programs

Contribution ID: 5

Type: **not specified**

## **SMB Program Talk and Update**

*Tuesday, 26 September 2023 10:15 (40 minutes)*

Kelly Nygren

**Session Classification:** Session 1: MSN-C Facility and Programs

Contribution ID: 6

Type: **not specified**

## **Efforts in Big Data, Software, & Cyber**

*Tuesday, 26 September 2023 10:55 (20 minutes)*

Werner Sun

**Session Classification:** Session 1: MSN-C Facility and Programs

Contribution ID: 7

Type: **not specified**

## **Defense Science Talk 1**

*Tuesday, 26 September 2023 12:15 (30 minutes)*

**Session Classification:** Session 2: Defense Sciences at MSN-C



Contribution ID: 8

Type: **not specified**

## Defense Science Talk 2

*Tuesday, 26 September 2023 12:45 (30 minutes)*

**Session Classification:** Session 2: Defense Sciences at MSN-C

Contribution ID: 9

Type: **not specified**

## **Defense Science Talk 3**

*Tuesday, 26 September 2023 13:25 (30 minutes)*

**Session Classification:** Session 2: Defense Sciences at MSN-C

Contribution ID: **10**

Type: **not specified**

## **Defense Science Talk 4**

*Tuesday, 26 September 2023 13:55 (30 minutes)*

**Session Classification:** Session 2: Defense Sciences at MSN-C

Contribution ID: 11

Type: **not specified**

## **Short Panel : Ask the MSN-C Leadership**

*Tuesday, 26 September 2023 14:35 (20 minutes)*

**Session Classification:** Session 2: Defense Sciences at MSN-C

Contribution ID: 12

Type: **not specified**

## Closeout: Day 1

*Tuesday, 26 September 2023 14:55 (10 minutes)*

**Session Classification:** Session 2: Defense Sciences at MSN-C

Contribution ID: 13

Type: **not specified**

## **CHES Tour**

*Tuesday, 26 September 2023 15:05 (1 hour)*

Contribution ID: 14

Type: **not specified**

## Welcome

*Wednesday, 27 September 2023 08:30 (10 minutes)*

Paul Shade, Hilmar Koerner

**Session Classification:** Session 3: Industrial Measurements and Collaborations

Contribution ID: 15

Type: **not specified**

## Industry Perspective Talk

*Wednesday, 27 September 2023 08:40 (25 minutes)*

Iuliana Cernatescu

**Session Classification:** Session 3: Industrial Measurements and Collaborations



Contribution ID: **16**

Type: **not specified**

## **Panel Session & Room Discussion:**

*Wednesday, 27 September 2023 09:10 (45 minutes)*

**Session Classification:** Session 3: Industrial Measurements and Collaborations

Contribution ID: 17

Type: **not specified**

## Collaboration Workflow Talk

*Wednesday, 27 September 2023 10:10 (15 minutes)*

Chris Budrow

**Session Classification:** Session 4: Working with MSN-C : Project Roadmaps and Infrastructure

Contribution ID: 18

Type: **not specified**

## **Automation, User Interaction Points, Software Development, Standards, Big Data**

*Wednesday, 27 September 2023 10:25 (15 minutes)*

Paul Shade

**Session Classification:** Session 4: Working with MSN-C : Project Roadmaps and Infrastructure

Contribution ID: **19**

Type: **not specified**

## **Panel Session & Room Discussion**

*Wednesday, 27 September 2023 10:45 (45 minutes)*

Chris Budrow, Kelly Nygren, Kirt Page, Louisa Smieska, Peter Ko, Amlan Das

**Session Classification:** Session 4: Working with MSN-C : Project Roadmaps and Infrastructure

Contribution ID: 20

Type: **not specified**

## **New Timing Mode Capabilities @ CHESS**

*Wednesday, 27 September 2023 12:15 (10 minutes)*

**Session Classification:** Session 5: Strategic Capability Development at MSN-C

Contribution ID: 21

Type: **not specified**

## **NIST-developed Laser Powder Diffraction Testbed**

*Wednesday, 27 September 2023 12:25 (10 minutes)*

Ho Yeung

**Session Classification:** Session 5: Strategic Capability Development at MSN-C

Contribution ID: 22

Type: **not specified**

## **GISAXS of Covalent Organic Frameworks**

*Wednesday, 27 September 2023 12:35 (10 minutes)*

Nick Glavin, Kirt Page

**Session Classification:** Session 5: Strategic Capability Development at MSN-C

Contribution ID: 23

Type: **not specified**

## **X-ray CT of PMCs and CMCs under extreme environmental conditions**

*Wednesday, 27 September 2023 12:45 (10 minutes)*

**Session Classification:** Session 5: Strategic Capability Development at MSN-C



Contribution ID: 24

Type: **not specified**

## **Panel Session & Room Discussion**

*Wednesday, 27 September 2023 13:00 (45 minutes)*

**Session Classification:** Session 5: Strategic Capability Development at MSN-C

Contribution ID: 25

Type: **not specified**

## Topic Introduction

*Wednesday, 27 September 2023 14:00 (5 minutes)*

Rich Vaia

**Session Classification:** Session 6: Opportunities for Interagency Collaboration

Contribution ID: 26

Type: **not specified**

## **Panel Session & Room Discussion**

*Wednesday, 27 September 2023 14:05 (45 minutes)*

**Session Classification:** Session 6: Opportunities for Interagency Collaboration

Contribution ID: 27

Type: **not specified**

## Closeout: Day 2

*Wednesday, 27 September 2023 14:50 (10 minutes)*

Matt Miller