

Day 1 - general OATSCON with some PIVOT items embedded (10-5)

10:00 am - Welcome and Introductions

10:15 am - Intensive and autonomous sensing at scale (part 1 vision)

30 min: Jim Krogmeier - project overview and stages of work

30 min: Jian Jin

11:15 am - Digital Twins (part 1)

20 min: Bedrich Benes

20 min: Jinha Jung - visualization

11:55 lunch

12:45 pm - Connectivity in Rural Spaces (part 1 theoretical considerations and performance)

15 min: Chris Anderson

15 min: Shariq Ashfaq

15 min: Tomo Arakawa (virtual)

15 min: Shuai Nie (U NL) - *5G on a Farm: Channel Modeling for Wireless Agricultural Networks at Broadband Millimeter-Wave Frequency*

15 min: Ted Rappaport - *Millimeter wave coverage for rural mobile and fixed wireless access : It will (and does) work!*

2:00 pm break

2:15 pm - Connectivity in Rural Spaces (part 2 practical matters - a panel)

10 min: David Love - spectrum convergence accelerator or spectrum consortium

10 min: Tom Williams (VEEA)

10 min: Mainstream Fiber

0 min: Ted Rappaport

30 min panel discussion

3:15 pm - AI Demonstrations (part 1)

20 min: Chad Fiechter

3:35 pm break

3:50 pm - Digital Twins (part 2)

15 min Michael Mardikes – Unreal engine

15 min: Prati Poudel

20 min: Sneha Jha / Harsh Pathak

20 min: Amy Reibman / Jackie Boerman IDEAS (dairy update)

5:00 pm - Adjourn

Day 2 - PIVOT+ engagement (with some interactive activity)

9:00 am - Welcome

9:10 am - Intensive and autonomous sensing at scale (part 2 - sensing and applications panel)

20 min: Andrew Balmos PIVOT+ design considerations

10 min: Yang Yang

10 min: Sunoj Shahjahan - UIUC Sensing

10 min: Cherie Kagan - U Penn sensors

30 min at-table discussions (include identification of good collaborators not yet in the loop)

10:30 break

10:45 am - AI Demonstrations part 2

20 min: Josh Bailey / Sami Basir

20 mins: Dharmendra Saraswat

20 mins: Upinder Kaur – AI & robotics

11:45 am lunch

12:30 pm - Open Source Efforts & Funding

20 min: Hannah Wittman – UBC Lite Farm

20 min: Ankita Raturi

20 min: Rob Trice (virtual) *Collaboratory for Open Software and Systems in Ag and Food (COSSAF)*

20 min: Jim Krogmeier POSE proposal

1:50 pm - Closing

2:00 pm - Adjourn