Looking Ahead
Our Goals, Priorities and Paths Forward
Yesterday, Today, and Tomorrow

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A Milestone in CPS

This workshop is held in 2026, marking 20 years of the CPS program in nearly the same location as a key inaugural CPS program meeting.

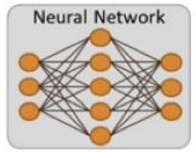
This workshop will celebrate what our community has accomplished, recognize new opportunities our research enterprise is opening, and envision its effects for a world we want to live in and can help create.

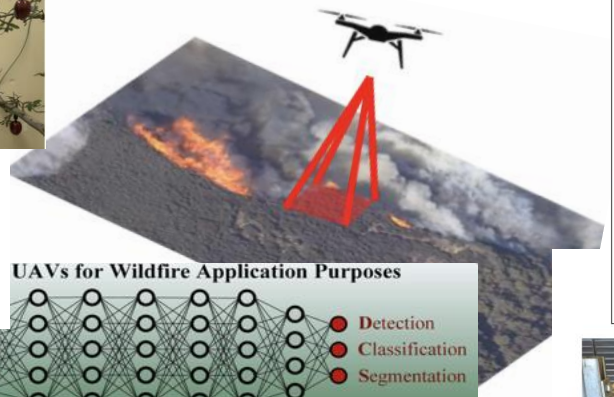
Celebrating 20 Years of CPS Accomplishments

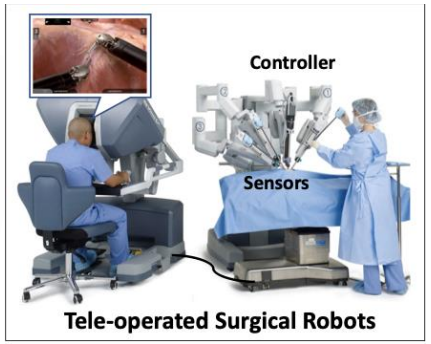


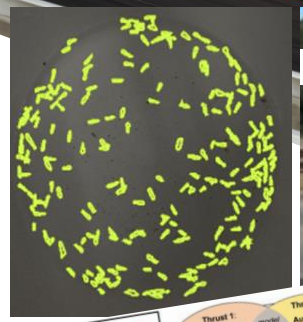








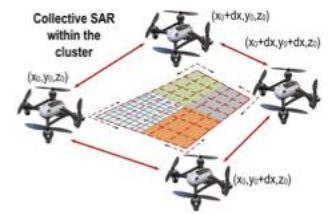


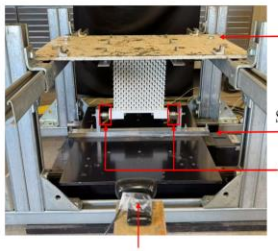


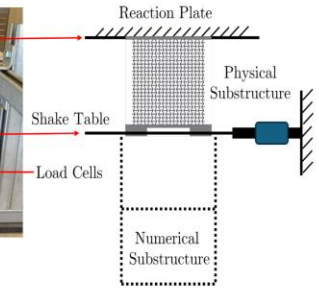


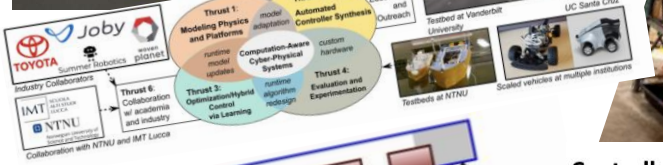


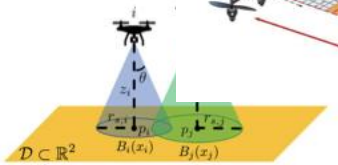


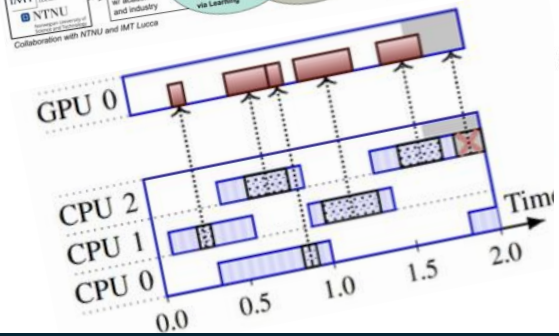


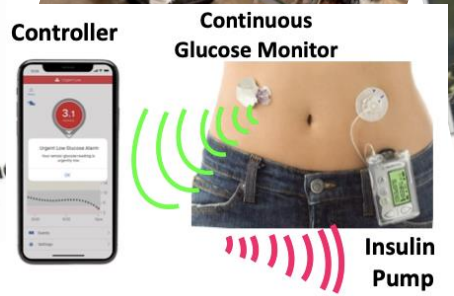


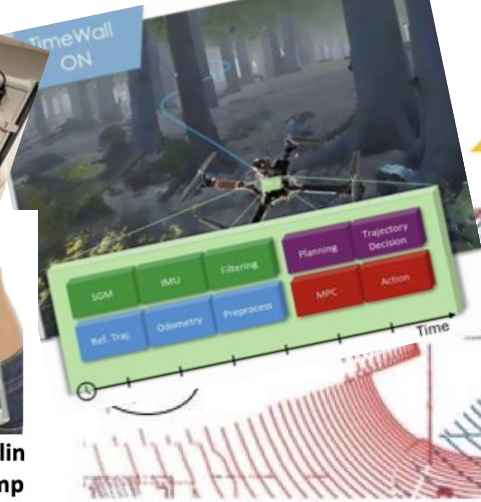




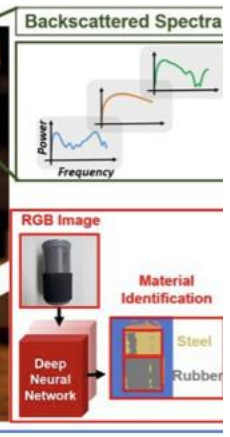












NSF CPS 20th Anniversary Workshop Oct 21-22, 2026

Envisioning CPS over the Next 20 Years

How will emerging discoveries and technologies shape CPS and be shaped by CPS ?

How can we accelerate the societal benefits of CPS research, technology and applications?



- *Enhance and augment human wellness, learning, work, and agency*
- *Educate, train and inform a new generation of researchers, practitioners, innovators, and the public*

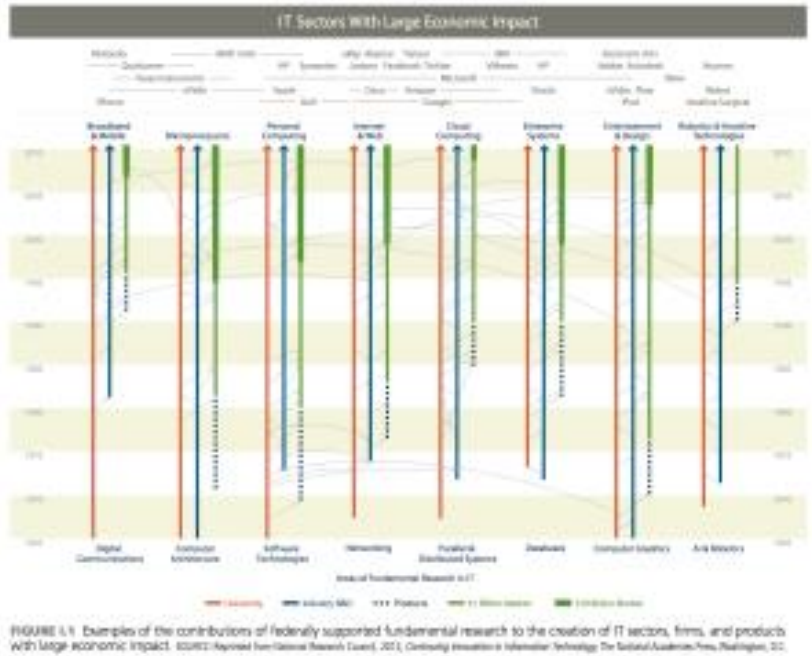
What Effects Could That Have?



Generated by ChatGPT, from the 2009 City on a Hill image

Roadmapping the Future of CPS

- We'll collect content throughout the workshop, including from presentations of TCPS special issue articles
- A group of volunteers has agreed to help draft, critique, and refine that content into a cohesive report
- We'll submit the report to the NSF and the CPS community
- We'll also publish a journal quality article folks can cite
- We'll also announce those at CPS-IoT Week 2027



Inspiration: NAS 2016 "Tire Tracks" Diagram

Acknowledgements

Thank you for attending this workshop, to help begin shaping the next 20 years of CPS

- Your commitment and engagement towards advancing CPS is essential

Thanks also to the many CPS contributors whom we did not have capacity to invite

- Their contributions also help shape and enable the new directions that will come out of all this

Thanks to the US National Science Foundation for support of this workshop

- Through grant **2629779** and many hours of advice, consultation, and discussion

Workshop Logistics

- Program
- Meals: Breaks, Lunch, Dinner Locations
- Travel Reimbursements:
  - Gerilynn Pearce (Vanderbilt)
  - gerilynn.pearce@vanderbilt.edu
- Onsite Logistics Questions or Concerns:
  - Frankie King
  - Katie Dey
  - Jason Gigax
- Zoom Help Desk Support
  - Carlos Guzman (carlos.a.guzman.medina@Vanderbilt.edu)
- Post-Workshop Logistics Concerns:
  - Frankie King

GMU WiFI Access

- **Guest(s) with eduroam Accounts:**
  - **Step 1:** On your device, select **eduroam** from the list of available Wi-Fi networks
  - **Step 2:** If prompted, enter your **eduroam** credentials to log 1n.

- **External Guest(s) Wi-Fi:**
  - **Step 1:** On your device, connect to the **MASON** Wi-Fi network.
  - **Step 2:** Open your web browser. You will be redirected to the Guest captive portal.
  - **Step 3:** If you accept and agree to the Terms of Use, click the button to Login.
  - **Step 4:** Congratulations! You are configured to use the **MASON** open Wi-Fi network

- **Note:** Guest credentials will only work with the **MASON** wireless network.
- **Need Help?** Call the IT Support Center at 703-993-8870

Map of Key Workshop Locations





Meeting Room Locations (October 21)

- Plenary Session Room: (7 a.m. – 5 p.m.)
  - FUSE Building: Global Studio, 1324, first floor
- Staff Office: (7 a.m. - 5 p.m.)
  - FUSE Building, Room 1329, first floor
- Side Meetings Rooms:
  - FUSE Building, 1328, first floor (7 a.m. – 4 p.m.)
  - FUSE Building, 1303, first floor (8 a.m. – 5 p.m.)
- Evening Dinner: (6 p.m. – 8 p.m.)
  - FUSE Building: 6th floor Café

Meeting Room Locations (October 22)

- Plenary Session Room: (7 a.m. – 5 p.m.)
  - FUSE Building: Global Studio, 1324, first floor
- Staff Office: (7 a.m. - 5 p.m.)
  - FUSE Building, Room 1329, first floor
- Program Breakout Rooms: (10:50 a.m. – 12:30 p.m.)
  - Breakout #1: FUSE Building: Global Studio, 1324, first floor
  - Breakout #2: FUSE Building: Classroom 1328, first floor
  - Breakout #3: FUSE Building: Classroom 2416, second floor
  - Breakout #4: FUSE Building: Classroom 2418, second floor
  - Breakout #5: Van Metre Hall: Classroom 312
- Side Meetings Rooms:
  - FUSE Building, 1303, first floor (8 a.m. – 5 p.m.)
  - Van Metre Hall 312 (7 a.m. – 4 p.m.)