

Bijunath R. Patla★
Time and Frequency Division – NIST, Boulder

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★ brp1@nist.gov



Civil GPS Service Interface Committee

Timing Subcommittee

Chair: Dr. Bijunath Patla, National Institute of Standards and Technology (NIST)

Deputy-Chair: Dr. Lin Yi, NASA Jet Propulsion Laboratory (JPL)

20 September 2021



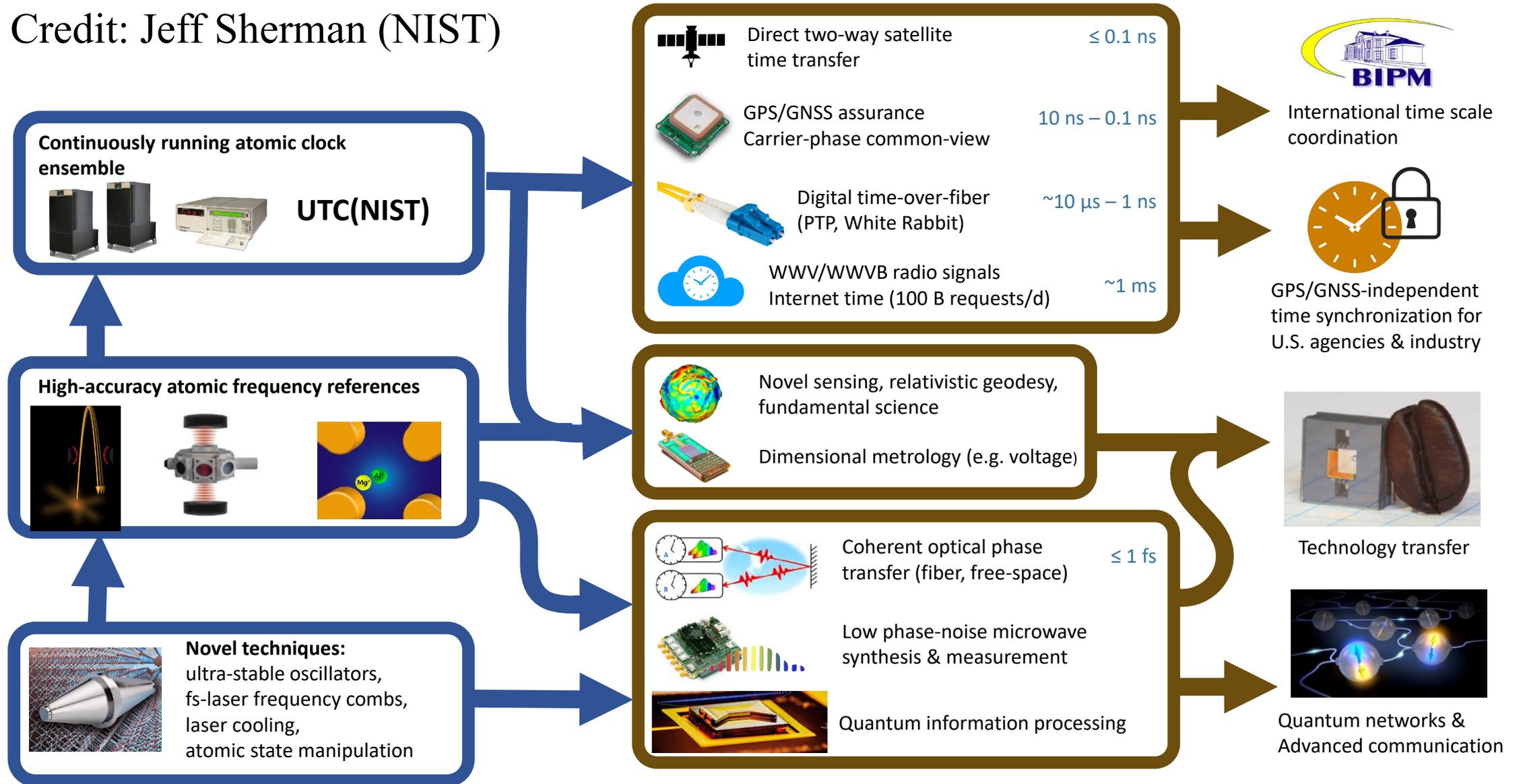
Credit:K. Rechin/ NIST

- Time dissemination and Coordination
- Leveraging the addition of newer constellations
- Addressing vulnerabilities in GNSS and adding resiliency

- Advances in clocks
 - For e.g., Going beyond the quantum limit

- Tests of gravity/fundamental physics
 - Effect of gravity on passage of time
 - Testing variation of fundamental constants
 - Tests of certain types of dark matter candidates

Credit: Jeff Sherman (NIST)

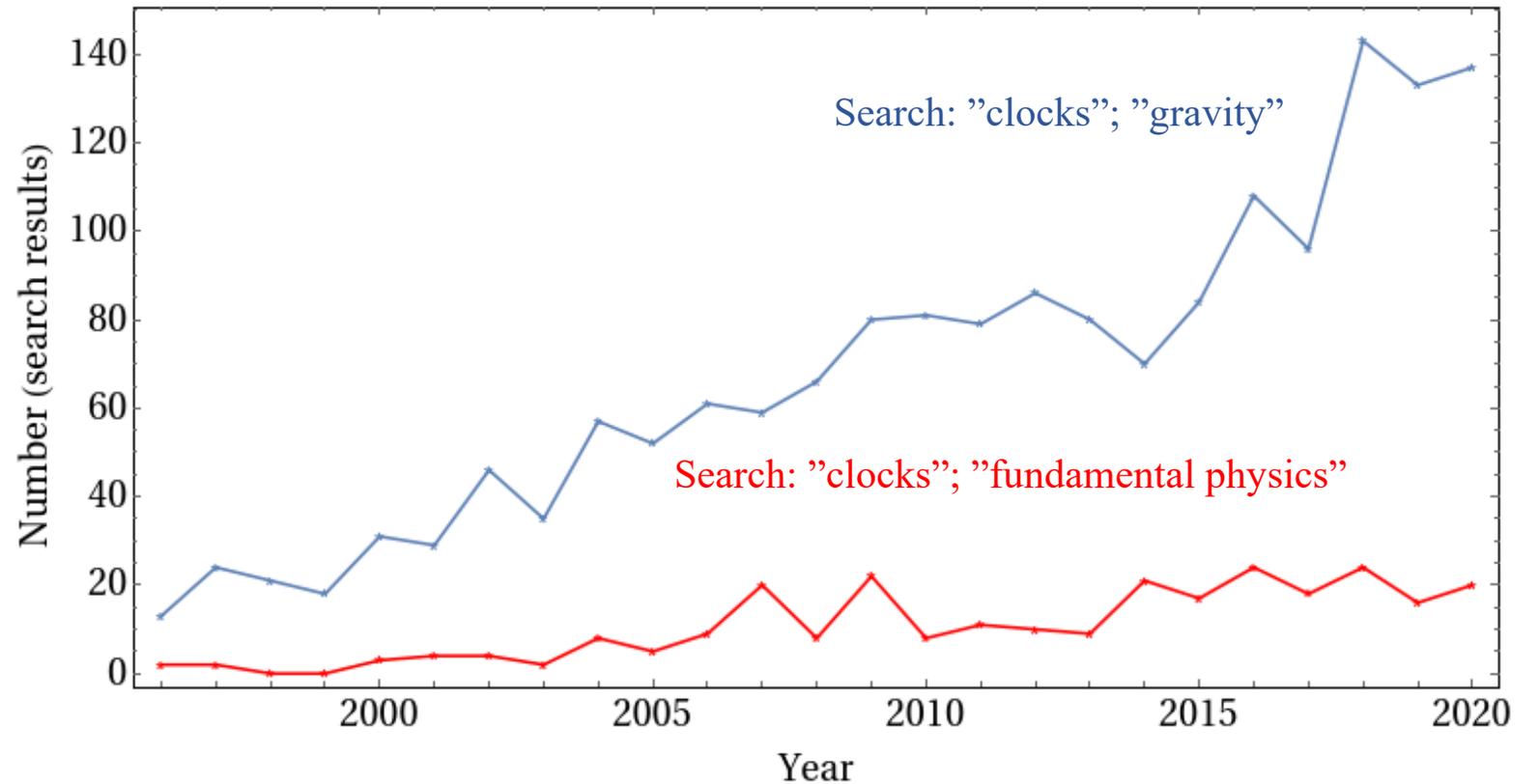
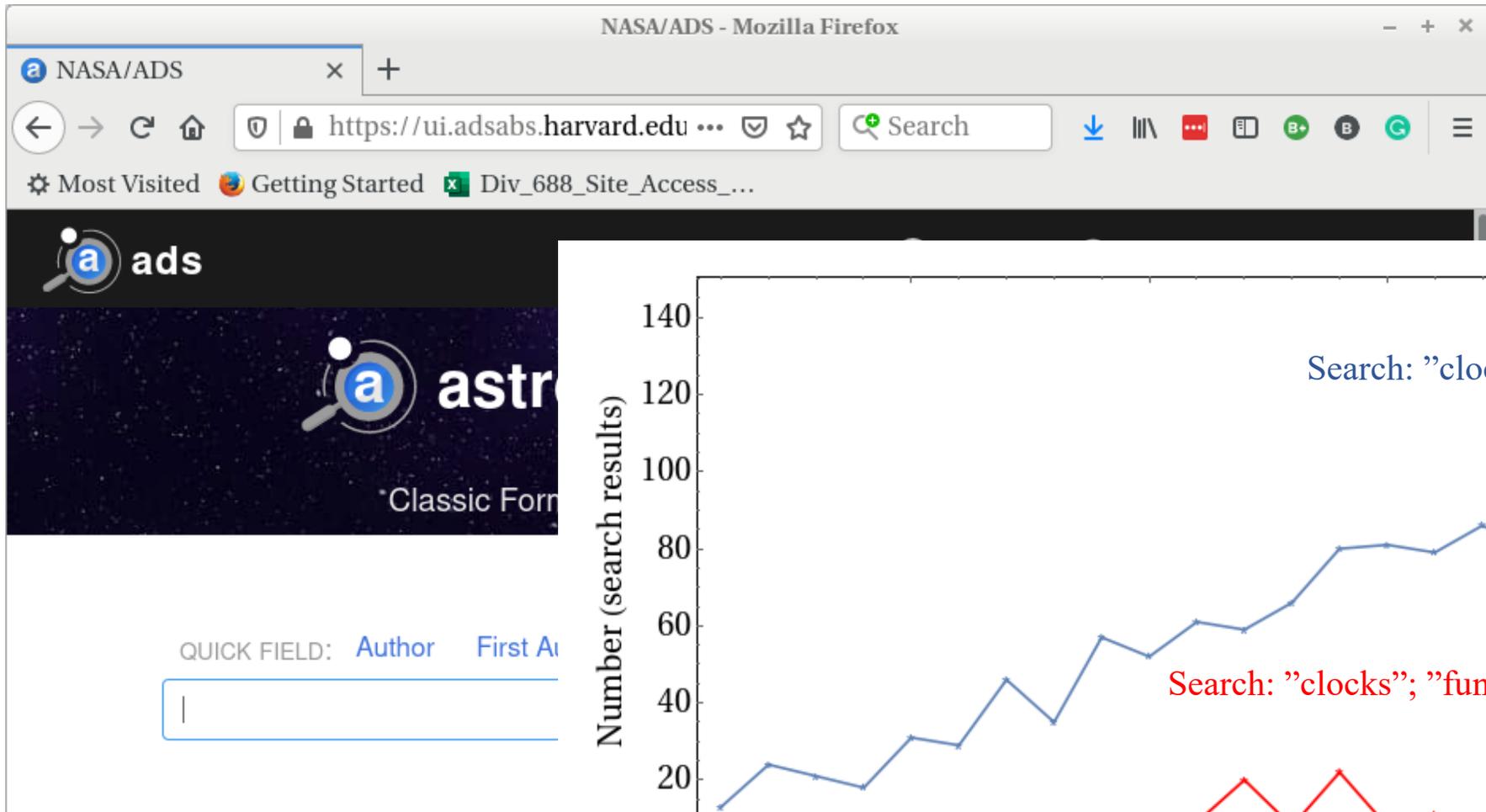


The screenshot shows a web browser window with the URL https://shop.nist.gov/ccrz_ProductDet.... The page header features the NIST logo and the text "Welcome to the National Institute of Standards and Technology Store". Below the header, a navigation bar includes "Home / Calibrations / Time over Fiber Special Test (Boulder)". The main content area is titled "Time over Fiber Special Test (Boulder)" and features a large blue button with the text "TIME AND FREQUENCY". To the right of the button, the product details are listed: "Time over Fiber Special Test (Boulder)", "SKU: 78110S", "Availability: Add to Cart for Price Quote", "Primary NIST Technical Contact: Name: Judah Levine, Phone: (303) 497-3903, Email: [Email NIST Technical Contact](#)", and "Secondary NIST Technical Contact: Name: Mike Lombardi, Phone: (303) 497-3212, Email: [Email NIST Technical Contact](#)". On the right side of the page, there is a "Product Search" section with a search bar and a "My Cart" section indicating "You have no items in your shopping cart."

➤ Time over Fiber

➤ Plans to start a new 2-way service in FY22

Contact:
Elizabeth Donley
Jeff Sherman



Agenda, September 20, 2021

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