

2023 GTRI Photonics Technology Interchange Meeting

Last Revision: 28 APR 2023

TUE 02 MAY 2023

0830-0900	Registration / Security Check-In
0900-0930	Opening Remarks, Security Announcements Robert Lingle, Georgia Tech Research Institute
0930-1000 (S//NF)	Threat Brief Steve Barton, Georgia Tech Research Institute
1000-1030 (S//NF)	Break (S//NF)
1030-1100 (S//NF)	GTRI Optics and Photonics Research Update Andy Stark, Georgia Tech Research Institute
1100-1110	Convert to Unclassified
1110-1140	Photonic Pre-Processing to Enhance the Performance and Survivability of Electronic Warfare Receivers Stephen Mathis, Spectrum Warfare Department, Naval Air Warfare Center Weapons Division (NAWCWD) Point Mugu
1140-1330	LUNCH
1330-1400	DARPA MTO Photonics Overview Gordon Keeler, DARPA MTO
1400-1430	OUSD(R&E) Investments Dmitry Kozak, T&AM-RFOE
1430-1500	Break
1500-1530	Sandia's Heterogeneously Integrated Photonics Platform Michael Gehl, Sandia National Laboratories Ashok Kodigala, Sandia National Laboratories
1530-1600	PICASSO'S MUSICIANS: a Silicon Photonics Supply Chain Analysis Benjamin Yang, Georgia Tech Research Institute
1600-1630	Navy strategy for small business development of microwave photonic Components Keith Williams, NRL
	Evening Social Ormsby's (See next page for directions, reservation details. Bring your own payment)

Security

- **Day 1 of the workshop up until 1100 is held at the at the S//NF level.**
 - No classified notes are allowed.
 - Classified conversation is allowed in the auditorium only.
- **The rest of the workshop (Day 1 after 1100 and all of Day 2) is CUI or US Citizens Only.**

WED 03 MAY 2023

0830-0900	Registration / Security Check-In
0900-1100	<p>Special Session on Future Generation Digital Avionics Fiber Optic Communication <i>Session Chair:</i> Mark Beranek, NAWC AD</p> <p>Introduction to Modular Architectures Dave Wood, Critical Frequency Design</p> <p>Future Digital Avionics Fiber Optics Concepts Mark Beranek, Naval Air Warfare Center Aircraft Division</p> <p>Compact Digital Transceiver for Harsh Environment Applications Charlie Kuznia, Ultra Communications</p> <p>Integrated Photonics Solutions for High-Speed Digital Links Milan Mashanovitch, Freedom Photonics</p> <p>Optical Components for Digital Avionics Jim Tatum, Photon Sciences</p>
1100-1130	<p>Innovating for the Future: Heterogeneous Integration at a Wafer Level Ian Melville, GlobalFoundries</p>
1130-1330	LUNCH
1330-1400	<p>Built-In-Test for Fiber Optic Links John Mazurowski, Applied Research Laboratory</p>
1400-1430	<p>HBCU/MSI Collaboration Exemplar - Applied Electromagnetics and RF Circuits Tom Martin & Michael Grady, Georgia Tech Research Institute Abdullah Eroglu, North Carolina A&T State University</p>
1430-1500	BREAK
1500-1530	<p>The Emergence of the Multicore Fiber Ecosystem Dan Neugroschl, Chiral Photonics</p>
1530-1600	<p>DARPA GRYPHON - HIPPOGRIFFS Mackenzie Van Camp, BAE Systems FAST Labs</p>

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Guest WiFi Information

Please use one of the following methods to enjoy WiFi connection during the conference.

GTRI Guests	SSID: GTRI-Wireless USERID: May Password: Blackhawks * No further authentication required.
GTRI Guests (Alternate)	SSID: GTRI-Visitor Password: GoJackets * After connecting, a web browser must be opened to input the username and password: USERID: May Password: Blackhawks
GTRI Conference Center Guests	SSID: GTRI-CONF Password: STINGER! * After connecting, a web browser must be opened to input the username and password: USERID: May Password: Blackhawks

Workshop Evening Social Details

Please join us for an evening social at Ormsby's (1170 Howell Mill Rd Ste P20, Atlanta, GA 30318) beginning at **1800 MAY 02**. Use the QR code to the right to pull up Google Map directions.

Ask for a reservation for 25 people under "Benjamin Yang / Georgia Tech." Additional overflow room for socializing is available.



To travel there from the conference center, head west on 14th St NW until it ends at Howell Mill Road. Cross Howell Mill and continue west until the road ends at a parking deck. If parking is unavailable, additional parking is often available in the shopping center north of the restaurant.

No food purchases are made by Georgia Tech and participants are expected to pay their own way.

The logo for Georgia Tech Research Institute, featuring the text "Georgia Tech" stacked above "Research Institute" in a white sans-serif font. A stylized white tower icon is positioned between the two lines of text.

Georgia
Tech Research
Institute

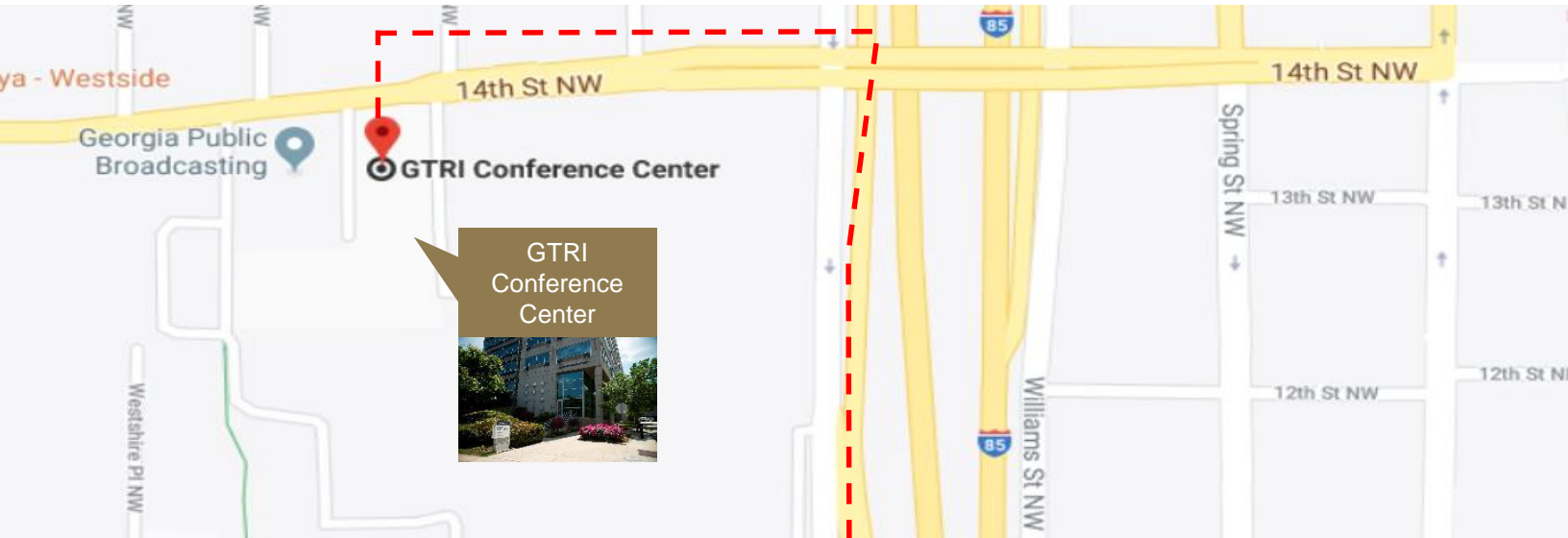
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WELCOME VISITOR GUIDE

GEORGIA TECH RESEARCH INSTITUTE
250 14TH STREET •
ATLANTA, GEORGIA 30332





Directions to GTRI Conference Center

250 14th Street NW, Atlanta, GA 30332

From Hartsfield International Airport and Points South of Atlanta

- Take I-75/I-85 North through downtown Atlanta.
- Take Exit 250 toward 10th St/14th St/Georgia Tech.
- Go straight, passing through one intersection, which is 10th Street.
- 10th Street will merge onto Williams Street NW.
- Turn LEFT at 14th Street to cross over the interstate.
- The GTRI Headquarters/GTRI Conference Center Building is a tall building on the left (between the equally tall Georgia Public Broadcasting building and the Silver Skillet restaurant).

Visitor Parking

- Parking is available in the parking deck that is located between the GTRI Headquarters Building and the Georgia Public Broadcasting Building.
- Please proceed to the gate and it will automatically open as you enter/exit. Proceed to the right up the ramp.
- Short-term visitors (less than 4hrs) may park in a designated visitor area marked on **Level 2**.
- Long-term visitors (more than four hours) will need a **dash pass** and should **park outside the designated visitor area**. The parking office or GTRI representative for the event will arrange to get dash passes to attendees of events in the conference center.

Visitor Building Access

- Take elevator down to ground floor from parking garage and walk around outside of building to main lobby entrance.
- Proceed towards the security console desk or event registration desk located in lobby.
- Picture ID is required. The guard will call your contact after badging.

Security

- For Collateral-level visits, please submit your clearance/visit request via DISS using **SMO Code: 0KC834 (first digit is zero)**.
- Please list Benjamin Yang as your GTRI technical POC and include his phone number: 608-256-9726.
- Our Security POC is Steffany Trent. Her phone number is 404-407-8151. Email is **Steffany.Trent@gtri.gatech.edu**.





Recommended Hotels

1

Atlanta Marriott Suites Midtown

35 14th Street NE
Atlanta, GA 30309
(0.5 miles from GTRI
Conference Center)
(0.2 miles from Arts Center
MARTA Subway Station)

2

Sonesta Select Atlanta Midtown

1132 Techwood Drive NW
Atlanta, GA 30318
404-607-1112
(0.2 miles from GTRI
Conference Center)
(1 mile from Midtown
MARTA Subway Station)

3

Hilton Garden Inn

97
10th Street NW Atlanta,
GA 30309
404-524-4006
(0.5 miles from GTRI
Conference Center)
(0.4 miles from Midtown
MARTA Subway Station)

Suggested Restaurants

Antico's Pizza

1093 Hemphill Ave
Atlanta, GA 30318

Chick-Fil-A

1100 Northside Drive NW
Atlanta, GA 30318

Firehouse

537 10th Street
Atlanta, GA 30318

Gio's Chicken Amalfitano

1099 Hemphill Ave NW Atlanta,
GA 30318

Jimmy John's

365 14th Street NW
Atlanta, GA 30318

Lucky Buddha

529 10th Street NW
Atlanta, GA 30318

Marcel

1170 Howell Mill Road
Atlanta, GA 30318

Moe's Original Bar B Que

349 14th Street NW
Atlanta, GA 30318

Poppin Pita Grill

420 14th Street NW #100b
Atlanta, GA 30318

Silver Skillet

200 14th Street NW
Atlanta, GA 30318

The Optimist

914 Howell Mill Rd
Atlanta, GA 30318

Waffle House

5565 Northside Drive NW
Atlanta, GA 30327

Wagaya Japanese

339 14th Street NW
Atlanta, GA 30318

Mass Transit

- The **Metropolitan Atlanta Rapid Transit Authority (MARTA)** north line trains take you from the airport baggage claim to the Midtown (N4) station.
- The free **GT Tech Trolley**, provides service to and from the Midtown MARTA Station.





Parking and
Transportation Services

Temporary Parking Permit

Provided to:



Georgia Tech[®]
Research Institute

Photonics Technical Interchange Meeting

Location: E70-GCATT

Valid: 5/2/23 - 5/3/23