IEEE SoutheastCon 2025

Report to the R3 Excom

6 December 2024

Charles Lord, Jim Conrad - Co-Chairs
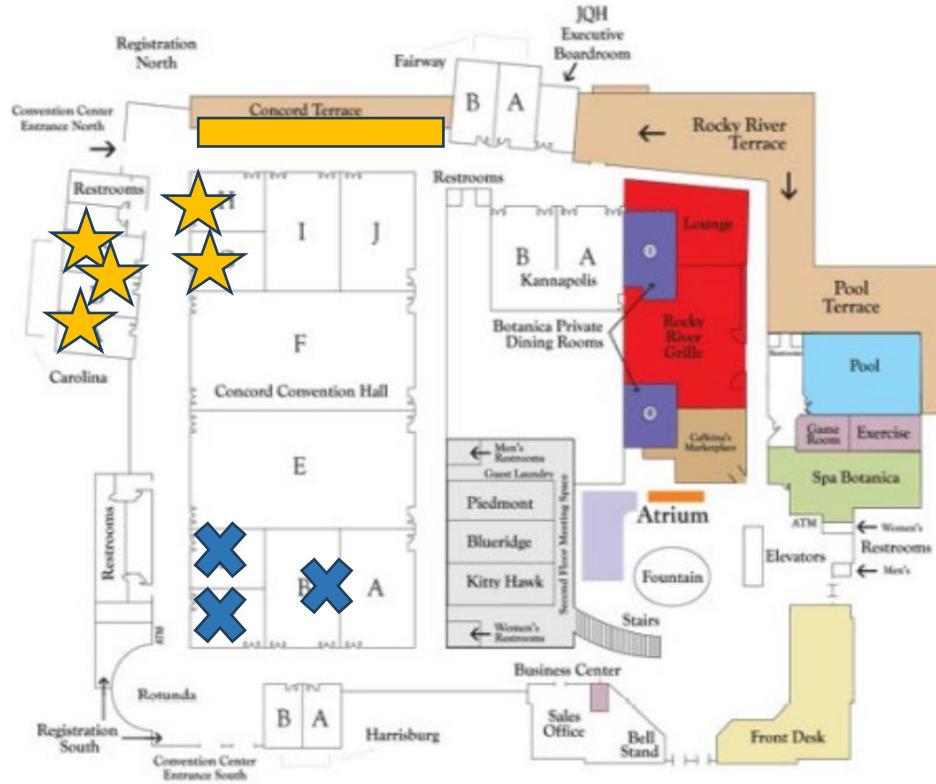
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You are here!

Office and A/V Rooms
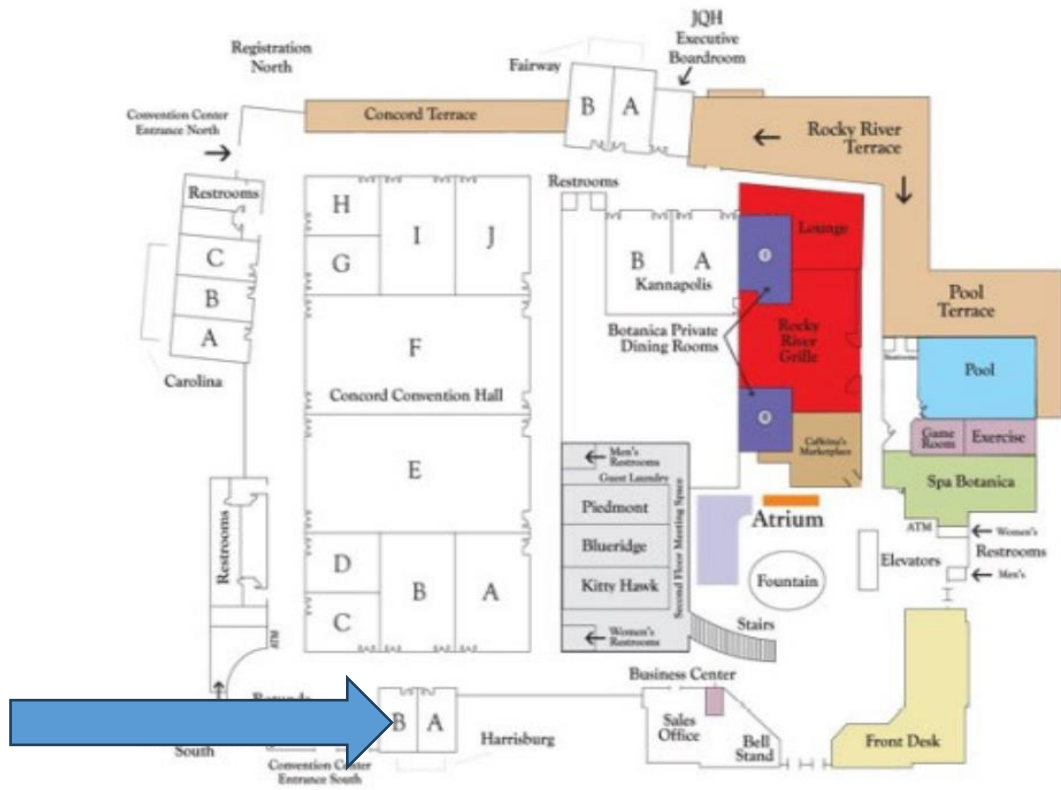
Papers ⭐   Posters ▭   R3 Meetings ✖

Hardware Practice, Competition, and Awards
Lunches, Reception(s), and Awards

TOUR
AT 5PM

Papers

▸ CFP out to EDAS broadcast – twice

▸ CFP out to R3 – second blast next week

▸ Deadline Jan 15

▸ Reviewers: 213 currently accepted, 165 no answer, 10 declined

▸ 31 papers so far
  - 13 accepted (all with at least 3 reviews!)
  - 4 rejected
  - 4 withdrawn
  - Bulk of papers expected Dec 15-Jan 15

Patrons (sponsors)

- So Far:
  - Silver ($5000)
    - Kennesaw State U
  - Bronze ($2500)
    - US Navy Recruiting
  - Graduate Schools ($500)
    - UNC Charlotte
    - UW Platteville

- In process: Clemson ($500)

- Showing Interest, no commitment (yet?):
  - Digi-Key
  - TI
  - BoA, Fidelity, Google, Amazon, Microchip

- Made good contacts at:
  - All Things Open (Raleigh)
  - PCB Carolina (Raleigh)
  - HKN SLC (Charlotte)

  - Jim, David Fillion, Lee Stogner and I continue to work these

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Competitions

Hardware – Sam Shue, Lead

- First Track built
- Students will be building a test car early January
- Keeping steady Q&A on Discord

Software – Sam Shue, Lead

- Gaming competition
- Actual game to be defined by January 15, 2025

Circuit – Charles, Rodney Radford leads

- First pass at competition design complete
- Working on design choices, parameters
- Will convene panel to develop detailed rubric
- Deadline for announced overview Feb 1
- Deadline for rubric March 1

R3-Run competitions - Bailey

Industry Days – All-day Thursday, Half-day Friday (per available)

SEPARATE Co-Located EVENT

▸ Format is established: Four Tracks:

- **Robotics** including autonomous vehicles, manufacturing, and STEM robotics

- **Internet of Things (IoT)** including security, applications, edge processing and ML, and protocols

- **Hardware Design** including components, PCB and DFM, FPGA, and chip design/manufacturing (CHIPS Act)

- **Software Design** including programming good practices, abstraction, operating systems including RTOS, memory management, security

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Industry Day Sessions

- Low-cost ($99/149)

- No Meals (or optional)

- Speakers are fed but are free (may attend SoutheastCon?) – must be non-commercial BUT sponsors may put on commercial sessions (see Patron sheet)

- Totally marketed to INDUTRY MEMBERS R3, possibly R2 and R5 (via IEEE-USA)

- Application papers – minimal theoretical or research (things they can take to office and excel)

- Discussions with potential attendees and vendors at other shows have been very positive

- Recruiting track chairs for the 4 tracks

- Call for speakers out by end of December

- Should help pull in industry patrons / exhibitors that don't normally consider SoutheastCon

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HOW R3 CAN HELP

▸ Many of you know subject matter experts in these areas – track chairs or presenters!

▸ Many of you know vendors that would like to reach out to industry engineers

▸ Our leadership has the industry connections to make this happen

▸ I am leading this but need people to take pieces of this:
- Locating speakers, track organizers
- Locating potential exhibitors / sponsors across R3 and beyond
- Getting the word out to potential attendees

▸ This discussion is beyond today's scope and would take the entire day and more – if you are interested, contact me!

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Topic #2 – 21st Century SoutheastCon

"less paper!"

▸ We are making inroads in the reduction of paperwork (tickets, etc) in running SoutheastCon and the QR check-in and event / meal admission are getting us there.

▸ We need to build on the work of the last few years and build tools that can serve us not only in 2025 but for the next five years or more

▸ I propose a special project at the R3 level (not necessarily carried out by the Conf Comm) to develop these so each year isn't reinventing the wheel

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Topic #3

Standardized Patronage Recruiting Pool

(let's go to the spreadsheet!)

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This next month

▸ Meetings continue to be held in all five sections in NC to promote participation in the conference and assign 'micro-tasks' as well as open positions.

▸ Call for papers going out again this week

▸ Our patronage team will continue to be reaching out to industry the next month.

▸ Jim and I will be working with IEEE-USA for possible participation in the Industry Days. Meeting planned for next week in Huntsville.

▸ Catering, A/V, Internet vendor meetings

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Questions??