

# NR COMMUNITY SUMMER SCHOOL 2022

Aug 8–12 at ICERM, Providence, RI

**WELCOME!**

# Schedule: Aug 8–12

Streamed publicly ●

Open on Zoom ◐

|  | Mon                                      | Tue  | Wed  | Thu   | Fri              |
|--|--|--|--|---|------------------|
| <b>Morning</b><br>9am to 12.30pm           | <b>Intro to NR</b><br><i>Helvi Witek</i> | <b>Advanced NR</b><br><i>Katy Clough</i>               | <b>Advanced NR</b><br><i>Katy Clough</i>               | <b>High Performance Computing</b><br><i>Eloisa Bentivegna</i> | <b>Hackathon</b> |
| <b>Lunch / Free time</b><br>12.30pm to 2pm |  |  | <b>Careers in industry Q&amp;A</b>                     |   |                  |
|  |  |  | <b>Lunch provided</b>                                  |   |                  |
| <b>Afternoon</b><br>2pm to 5pm             | <b>Intro to NR</b><br><i>Helvi Witek</i> | <b>Relativistic Hydrodynamics</b><br><i>Elias Most</i> | <b>Relativistic Hydrodynamics</b><br><i>Elias Most</i> | <b>Waveforms</b><br><i>Deirdre Shoemaker</i>                  | <b>Hackathon</b> |
| <b>Evening</b><br>5.30pm to 7pm            | <b>Reception</b>                         | <b>Community codes</b><br>Lightning talks + tutorials  |  | <b>Community codes</b><br>Lightning talks + tutorials         |                  |
|  | <b>Pizza provided</b>                    |  |  | <b>Pizza provided</b>   |                  |

# All communication happens on Slack!

- Join now, if you haven't yet:
  1. Join our Slack workspace:  
[https://join.slack.com/t/generalrelativity/shared\\_invite/zt-1cak0bqm8-7rr4v9eAvI6lG\\_relLADag](https://join.slack.com/t/generalrelativity/shared_invite/zt-1cak0bqm8-7rr4v9eAvI6lG_relLADag)
  2. Join the channel [#nrcss-2022](#).
- Lecturers will post links and material in the channel.
- Feel free to post questions in the channel, open additional channels, or message the organizers.

# Virtual participation

- The lectures will be streamed and recorded
  - Zoom: <https://brown.zoom.us/j/96134906647>
  - Public stream: <https://icerm.brown.edu/live-stream/>
  - Gather Town (video chats between virtual participants):  
<https://gather.town/FPV5jXpapa2i5vvh/ICERM>

# In-person participation: COVID-19 policies

- See ICERM COVID-19 policies: <https://icerm.brown.edu/visit/covid/>
- Please carry a face mask with you and wear it in public spaces, so everyone feels comfortable.
- If you haven't already, please test yourself today. Tests are available at the front desk.
- If you feel sick, please self-isolate and contact one of the organizers so we can help you get tested.

# Technology self-check

- Follow these instructions to prepare your laptop for the tutorials:  
<https://github.com/nilsvu/nrcss22/blob/main/tech-selfcheck.ipynb>
- Do this early so you don't waste time waiting for downloads!

# Friday Hackathon

- In teams of ~3-6 we build an NR-related project from scratch.
  - *9–10am*: Pitch ideas & form teams.
  - *10am to 3.30pm*: Build a prototype together.
  - *3.30–5pm*: Present your progress.
- The best team wins a prize & gets to present their project at the community call!
- Possible topics: visualization of NR data, public outreach, integrating new technologies into an existing code (e.g. GPUs, OpenMP, profiling), connecting different codes (e.g. ID + evolution + CCE + waveforms), ...
- Registration, ideas, resources: [https://docs.google.com/document/d/1-PKiS8STRbpOaoXEhHt64JIBfG6SWvq6\\_KqR06siW5U/edit?usp=sharing](https://docs.google.com/document/d/1-PKiS8STRbpOaoXEhHt64JIBfG6SWvq6_KqR06siW5U/edit?usp=sharing)



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