

2022 Summer School on Electron-Phonon Physics from First Principles



Organizers



Feliciano Giustino
UT Austin



Roxana Margine
Binghamton U



Emmanouil Kioupakis
U Michigan



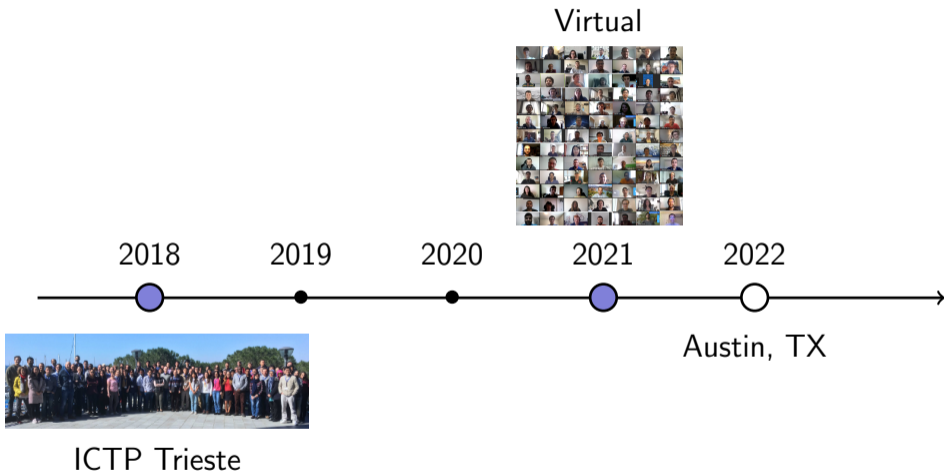
Samuel Poncé
Politechnique Louvain



Hyungjun Lee
UT Austin



Annecy Liddell
UT Austin







Sponsorship for 40 students



75 participants in ATX

18 instructors

120 remote participants

213 total

Instructors



Paolo Giannozzi
University of Udine and Quantum Espresso
Foundation



Nicola Marzari
Ecole Polytechnique Fédérale de Lausanne
and MARVEL Center



Feliciano Giustino
University of Texas at Austin



Antimo Marrazzo
University of Trieste



Hyungjun Lee
University of Texas at Austin



Tatiane Russo-Tait
University of Texas at Austin



Brandon Campitelli
University of Texas at Austin



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Ecole Polytechnique de Louvain



Roxana Margine
University of Binghamton



Emmanouil Kioupakis
University of Michigan at Ann Arbor



Dan Stanzione
Texas Advanced Computing Center



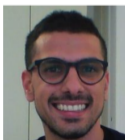
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University of Michigan at Ann Arbor



Chao Lian
University of Texas at Austin



Jon Lafuente-Bartolome
University of Texas at Austin



Marios Zacharias
University of Rennes



Zhenglu Li
University of California at Berkeley



Mauro Del Ben
Lawrence Berkeley National Laboratory
and C2SEPM Center



Jack Deslippe
Lawrence Berkeley National Laboratory

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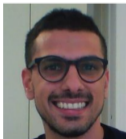
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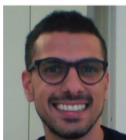
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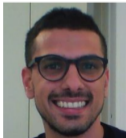
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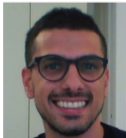
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School schedule

Day	Time	Activity	Location
Sunday 12 June	4:00-6:00pm	Welcome Reception	Dobie21
Monday 13 June	8:00-8:20am	Breakfast + Registration	Welch 2.300
	8:20-8:30am	Introductory remarks and logistics	Welch 1.308
	8:30-9:30am	Lecture - Elementary intro to electron-phonon couplings	Welch 1.308
	9:30-10:30am	Lecture - Density functional perturbation theory	Welch 1.308
	10:30-11:00am	Coffee break	Welch 2.300



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- Poster session (Monday evening)
- DEI workshop (Tuesday evening)
- Visit to TACC and Social Dinner (Thursday evening)
- Hackathon (Saturday/Sunday)

Your stay in Austin

Contact and emergency information

Emergencies: Call 911

UT Police: (512) 471-2154

Front Desk at Dobie21: (512) 475-6750

AnneCy: (512) 471-2154

If you are on campus late and have concerns about your safety getting home, you can request [Sure Walk](#) to accompany you. Two SURE Walkers may accompany you on your walk home or provide a complimentary cart or car ride, depending on service area.

Restaurants and cafés walking distance from UT campus

Pizza / Pasta / Burgers / Pub Grub

[Cain & Abel's](#) 2313 Rio Grande St

[Crown & Anchor](#) 2911 San Jacinto Blvd

[Posse East](#) 2900 Duval St

[Haymaker](#) 2310 Manor Rd

[P. Terry's Burger Stand](#) 517 W Martin Luther King, Jr Blvd

[The Pizza Press](#) 404 W 26th St



Gregory Gym Aquatic Center / 10PM

Today

Lecture 1: Giustino

Lecture 2: Giannozzi

Lecture 3: Marzari

Tutorial on Quantum ESPRESSO by Giannozzi

Poster session