

School logistics

Son Cao, IFIRSE

on behalf of the school organizers

Being in a **difficult time**, people may give away their worst traits (*selfishness, greed, etc...*), but also **bring out the best in people.**

We are asking for your true cooperation!

For school agenda

Please check this “final version”

<https://ifirse.icise.vn/nugroup/vson/2022/program.html>

and with slides at

<https://ifirse.icise.vn/nugroup/vson/2022/swiki/doku.php?id=agenda>

NOTE: Timezone GMT+7 (Vietnam)

1st week

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W29	Jul 10, 2022	Mon 11	Tue 12	Wed 13	Thu 14	Fri 15	Sat 16
	Students/Lecturers check into h						
8am		8:30am Opening session	8:30am Standard Model and Neutrinos (1/2) (Anh Ky Nguyen (IOP, VAST))	8:30am Standard Model and Neutrinos (2/2) (Anh Ky Nguyen (IOP, VAST))	8:30am Neutrino Interaction (Van Nguyen (IOP, VAST))	8:30am Particle and radiation detector (1/2) (Yoshiaki Fujii (KEK/J-PARC))	8:30am Particle and radiation detector (2/2) (Yoshiaki Fujii (KEK/J-PARC))
9am		9:30am Vietnam Neutrino Group & Research Life at					
10am		10am ↻ Break	10am ↻ Break	10am ↻ Break	10am ↻ Break	10am ↻ Break	10am ↻ Break
11am		10:20am Neutrino Physics - Introduction and first 50 years (Yuichi Oyama (KEK/J-PARC))	10:20am From Kamiokande to K2K (1/2) (Yuichi Oyama (KEK/J-PARC))	10:20am From Kamiokande to K2K (2/2) (Yuichi Oyama (KEK/J-PARC))	10:20am T2K experiment (Atsumu Suzuki (Kobe Univ.))	10:20am Solar neutrino experiments (Yuichi Oyama (KEK/J-PARC))	10:20am Neutrino Phenomenology (1/2) (Pasquale Serpico (LAPTh))
12pm		11:50am ↻ Lunch at ICISE	11:50am ↻ Lunch at ICISE	11:50am ↻ Lunch at ICISE	11:50am ↻ Lunch at ICISE	11:50am ↻ Lunch at ICISE	11:50am ↻ Lunch at ICISE
1pm		1:20pm Experimental Neutrino Physics concepts in a Nutshell (Son Cao (IFIRSE))	1:20pm Super-Kamiokande detector (Makoto Miura (ICRR, Uni. of Tokyo))	1:20pm Hardware training and mini-projects (Son Cao (IFIRSE) et al)	1:20pm Hardware training and mini-projects (Son Cao (IFIRSE) et al)	1:20pm Software training (SK event identification) (Makoto Miura (ICRR, Univ. of Tokyo))	
2pm		2:50pm ↻ Break	2:50pm ↻ Break				
3pm		3:10pm Students' self-intro	3:10pm Mini-projects for Students (Son Cao (IFIRSE))				
4pm			3:45pm Hardware orientation (Son Cao (IFIRSE))				
5pm							

2nd week

W30	Jul 17, 2022	Mon 18	Tue 19	Wed 20	Thu 21	Fri 22
	Holiday					
8am						
9am		8:30am Neutrino Phenomenology (2/2) (Pasquale Serpico (LAPTh))	8:30am ↻ High Energy Neutrino Astronomy (1/2) (Maximilian Meier (Chiba Univ.))	8:30am High Energy Neutrino Astronomy (2/2) (Maximilian Meier (Chiba Univ.))	8:30am T2K near detectors and Upgrade (Tatsuya Kikawa (Kyoto Univ.))	8:30am Student presentation
10am		10am Break	9:30am ↻ Break	9:30am ↻ Break	9:30am ↻ Break	
11am		10:20am Introduction to Neutrino Event Generators (Van Nguyen (IOP, VAST))	9:45am Hyper-Kamiokande and Nucleon decay (Makoto Miura (ICRR, Univ. of Tokyo))	9:45am Neutrino Oscillation experiments in US (Jennifer Thomas (UCL))	9:45am Sterile Neutrino experiments (Kirsty Duffy (Oxford Univ.))	
12pm		11:50am Lunch at ICISE	11:15am Break	10:45am Break	10:45am Break	11:30am Concluding remarks
1pm			11:30am Supernova Neutrinos (Ranjan Laha (IIS, IN))	11am Neutrino-less double beta decay (Takashi Iida (Tsukuba Univ.))	11am Future Neutrino Experiments (Atsumu Suzuki (Kobe Univ.))	11:50am Lunch at ICISE
2pm		1:20pm Software Training (NEUT) (Van Nguyen (IOP, VAST), Dung Nguyen (HUS))	12:30pm Lunch at ICISE	12pm Lunch at ICISE	12:30pm Lunch at ICISE	
3pm			1:50pm Reactor Neutrino Experiments (Anatael Cabrera (CNRS, FR))	1:30pm Excursion	1:50pm Leptogenesis and CP violation (Sergey Petcov (SISSA, IT))	1:20pm Bus to the airport to be in time for the 15:55 flight
4pm			2:50pm Break	2:50pm Break	2:50pm Break	
5pm			3:05pm Mini-projects	3:05pm Mini-projects		

Subscribe the school agenda at:

<https://ics.teamup.com/feed/ks41s9fjfauuuhidku/0.ics>

Some important notes

- **July 11 (Mon.) , PM-session: Student self-introduction**
- **Super-Kamiokande (SK) computing account for SK software training**
- **Student grouping (for hardware/software training and mini-project) will happen on July 12 (Tue.)**
- **Student groups must choose the topic from the provisional list by July 14th (wed) 1pm~.**
- **July 22nd: Student's final presentation**

Keep checking email (or Slack) for further update

Textbooks & books

- If use in class, no registration is need
- If bring back hotel, please write your name, institute and date, and write “returned” after return



Use Slack for group discussion, Q&A...

vson2022.slack.com

The previous invitation link may be expired, please let me know.

Covid-19 related

- Please monitor your temperature and let us know immediately if you find any issue with your health
- Please wear mask in class and when in 2m distance from the others
 - It can be more relax in the open environment, like the beach
- For the international return trip, PCR inspection is available (< 1km from your hotels). We plan to have a group check in the morning (~7am) of July 21st. Result is available after 6 hours. Contact us if you need but didn't register.

**Please,
NO FOOD inside,
DRINK at designated areas,
CLEAN after using,
MINDFUL of the others.**

**Let's get connected and
enjoy
NEUTRINO**

Don't hesitate to ask the question.