

ThaiPASS 2022

4th Thailand-UK Python+Astronomy

Summer School

Introduction Event

25th April 2022



Schedule

- Welcome from Dr Wiphu Rujopakarn
ดร.วิภู รุโจปการ (Deputy Director, NARIT)
- Meet the Thai and UK teams
- Meet the participants
- Summary of online learning activities/support
- How to get the certificates?

This session will mostly be in English (a bit of Thai)

Project Staff

Main organiser

Dr Siri Chongchitnan (Warwick)

NARIT team

Dr Apimook Watcharankool (organiser)

Ms Supaluck Chanthawan (Ant)

+ NARIT foreign affairs team

Co organiser + Teacher workshop lecturer

Dr Teeraparb Chantavat (Naresuan)

UK teams

Dr Claire Cashmore (Hull)

Dr Richard Stancliffe (Bristol)

+ Leah Cox, Tom Lawson, Tom Trueman
(PhD students)

Dr Dimitris Stamatellos
(Central Lancashire)

+ Mr Adam Fenton

Prof Tom Marsh (Warwick)

Co organiser

Dr Marco Pignatari (Konkoly Obs. Hungary)

Meet the Thai Team

NARIT team

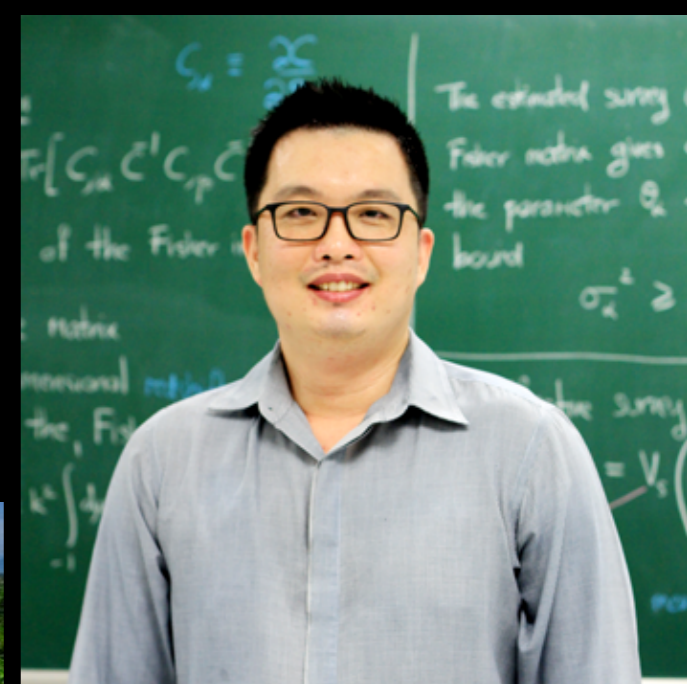
(สถาบันวิจัยดาราศาสตร์แห่งชาติ)

Dr Apimook Watcharankool
Ms Supaluck Chanthawan
+ Foreign affairs team



Institute for Fundamental Study Naresuan University

Dr Teeraparb Chantavat



Meet the UK Team

E. A. Milne Centre for Astrophysics University of Hull

Dr Claire Cashmore



School of Physics University of Bristol



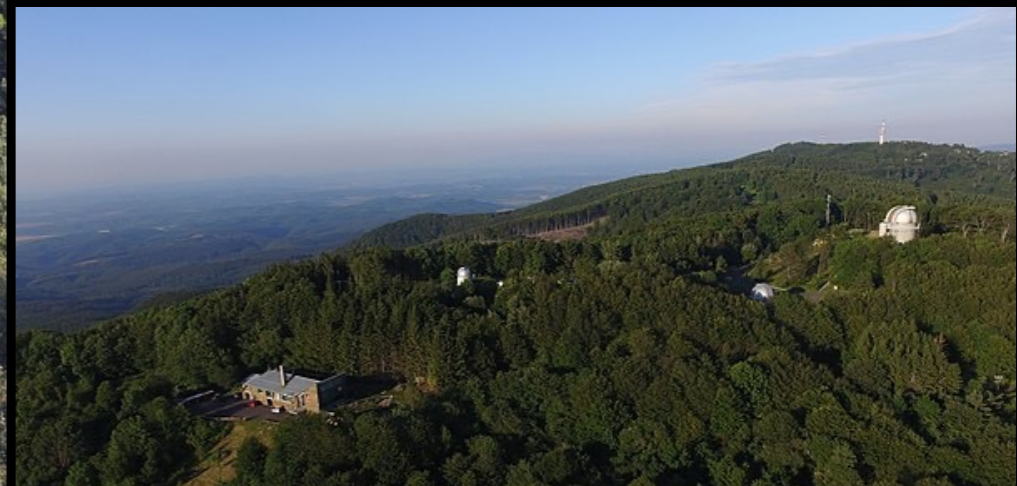
Dr Richard Stancliffe



Konkoly Observatory Budapest, Hungary



Dr Marco Pignatari



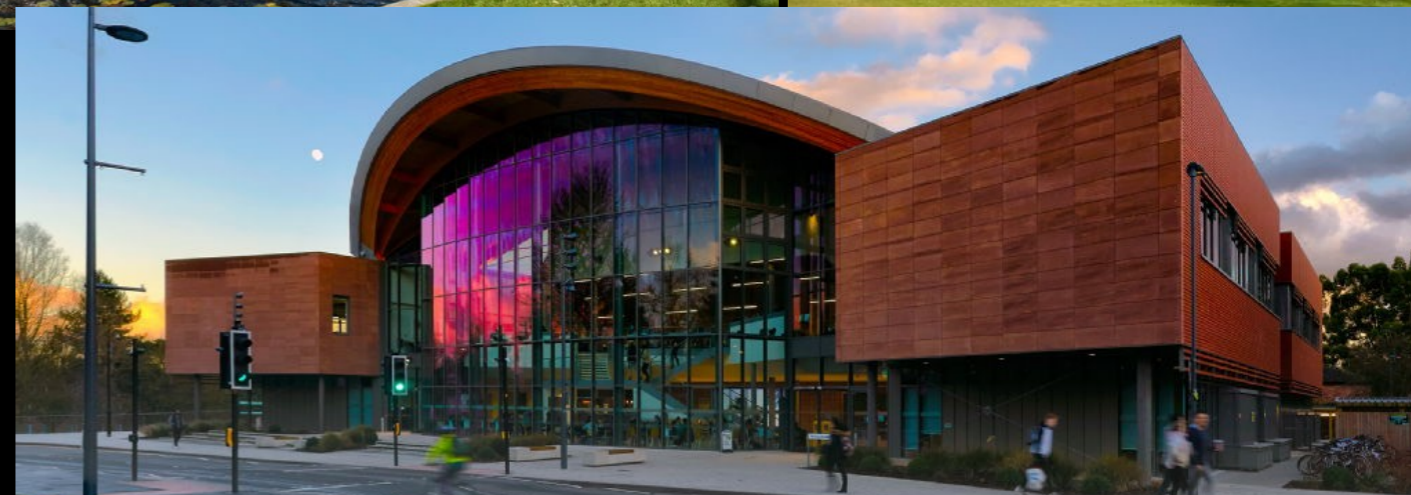
Jeremiah Horrocks Institute University of Central Lancashire (UCLAN), Preston

Dr Dimitris Stamatellos



Mathematics Institute & Department of physics University of Warwick Coventry

Prof Tom Marsh

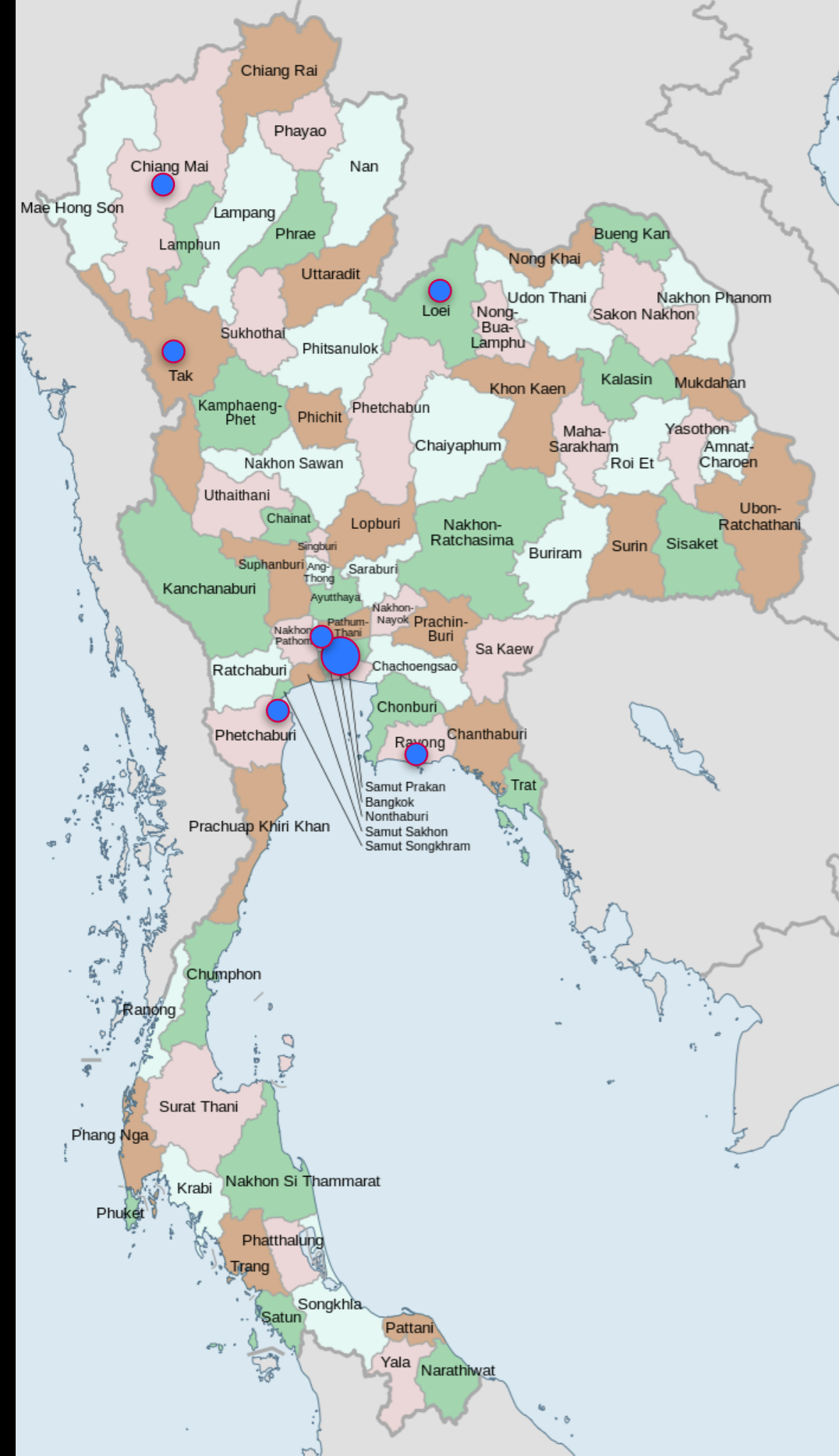


Meet the participants

When your school is called
please turn on your camera
and wave hello 🖐️

42 students and 12 teachers from 12 schools @ ThaiPASS'22

- Chiangmai Uni. Demonstration School
- Kamnoetvidya Science Academy
- Kasetsart Uni. Laboratory School
- Mahidol Wittayanusorn
- Phra Pathom Wittayalai
- Princess Chulabhorn Loei
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- Suankularb Wittayalai
- Takpittayakhom
- Triamudomsuksa



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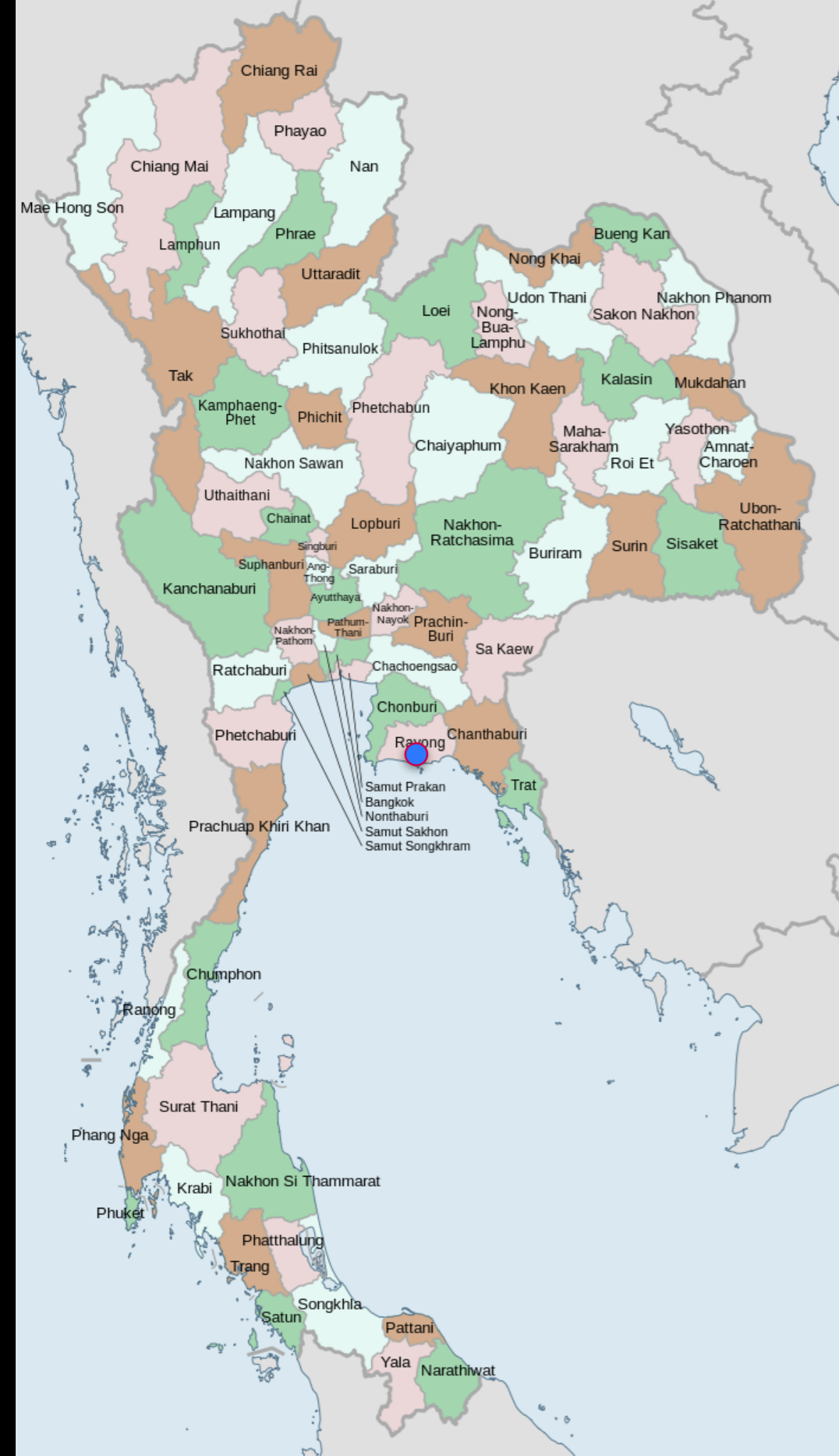
Teacher: ธีรวัฒน์ บุญพอง
จินตามณี ศรีสว่าง
ธัญกร เทียงบูรณธรรม
นันทัชพร แก้วภาค
วีรภัทร์ ลินธุพงษ์



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- Takpittayakhom
- Triamudomsuksa

Teacher: Dr. มิญช์ เมธีสุวกุล.
คณิศร สว่างไสว
จินต์จุฑา ปริบูรณ์
ชญาดา ภาควงมิกมลเลิศ
ภูติศ ธนกุลไกรฤทธิ์



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- Satriwithaya
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- Takpittayakhom
- Triamudomsuksa

Teacher: กมลชนก เหล่าจำปา
ธัญญา ทুমอะริยะ
นัฏชนก เมธากุลนาถ
ปวีณา ศิริโต

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- Takpittayakhom
- Triamudomsuksa

Teacher: มงคล สะพานแก้ว
จิณณะ ้วยวัฒน์
ชลิตา ปิติมนตรีกุล
พงศกร โลหะศิริวัฒน์
อัศวินท์ ลิ่มพรรัตน์



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- Triamudomsuksa

Teacher: พวงпка หมุนลี.
พงศธร น้อยจิ้น



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- Satriwithaya
- Suankularb Wittayalai
- Takpittayakhom
- Triamudomsuksa

Teacher: ครสนัน นนที.
เบญจพล ทองโคตร
ปฏิภาณ ชมชัยรัตน์
ปฐมพร สีหลง
อรณลิน สักร่อ



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- Suankularb Wittayalai
- Takpittayakhom
- Triamudomsuksa

Teacher: ทวีรักษ์ ทูลพุทธา.
กฤษกร ศตรัตน์พะยูน
กาญจน์ระวี จำแสง
ธนบดี โชติรัตน์นะพงศ์
พิมพ์ชนก เกษร



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Teacher: ฉัตรชัย สัมฤทธิ์ศุภผล.
กัญชนัฐสรณ์ สายลีโอนาม
ธัญญ์จิตา วัชรเมธีธนนท์
ปุณยนุช ว่องวรานนท์
สิริรัช บัวยอม

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- Takpittayakhom
- Triamudomsuksa

Teacher: โกเมน ปาปะโถ
กนกกลดา เลิศวรรณ
ทอฝัน ชินสุนทร
มนต์ภัสสร คีรีมาศสกุล
วรรษมนต์ พิมพ์พิศคนึง

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- Takpittayakhom
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Teacher: ธีรัชชัย สุขล้อม
ธีร์ เมธีพิทักษ์ธรรม
บุญยกกร ธารพานิช
พัฐฐนนท์ พัฒนาการวิจิตร
วิษณุ มุลสาร



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- Satriwithaya
- Suankularb Wittayalai
- **Takpittayakhom**
- Triamudomsuksa

Teacher: Dr. ปัทมา ภู่วาสดี.
ชุตिकाญจน์ รัตนะ
ทรรศพล หมูล้อม
นัฏจุฑา หทัย ธงยี่สิบหก
เมธาสิทธิ์ จิตรสิริบุรณ์



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- Suankularb Wittayalai
- Takpittayakhom
- Triamudomsuksa

Teacher: นพล อางฤทธิ
คุณิตา เสียงโรคาพาธ
ปณวัตร เตียเจริญ



Homework

All details and links are on

<https://indico.narit.or.th/event/162/page/369-courses-and-homework>

- Today (25th April): All videos uploaded on our **YouTUBE** channel
- You have 4 sets of homework (ipynb files) on **GitHub**
 0. Pre-ThaiPASS exercise
 1. The Lives of Stars
 2. Exoplanets
 3. Astronomy at High Speed
- Do 1,2,3 in any order. You may work with friends from same school and submit one piece of work
- Please ask question on **Slack**. Don't be shy!
- Deadline: 31st May.
- We will mark your work. You will get a certificate by the end of June/early July.
- If you have submitted, please don't submit again unless we asked you to.

YouTube - Watch lectures

YouTube^{GB}

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ThaiPASS

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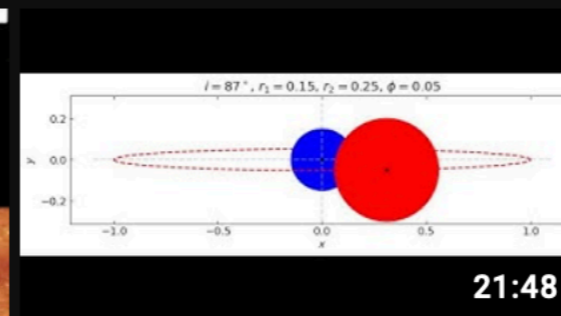


Exoplanets Lecture (2022)

1 view · 4 hours ago

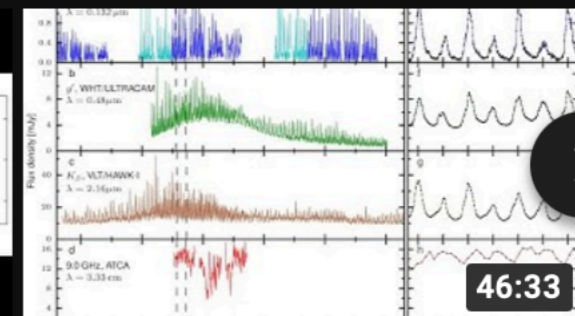
Exoplanets Project Overview
Dimitris Stamatellos

5 views · 4 hours ago



Astronomy at High Speed
Assignment, ThaiPASS'22

1 view · 8 hours ago



Astronomy at high speed,
ThaiPASS'22

12 views · 10 hours ago

<https://www.youtube.com/channel/UCmcoICvLGnlvQ6BFrMB9dkQ>
or search "ThaiPASS astronomy" on YouTube

GitHub - Download homework

<https://github.com/Milne-Centre/ThaiPASS2022>

Search or jump to... Pull requests Issues Marketplace Explore

Milne-Centre / ThaiPASS2022 Public Watch 5 Fork 0 Star 0

Code Issues Pull requests Actions Projects Wiki Security Insights

main 2 branches 0 tags Go to file Add file Code

About Repository for ThaiPASS 2022

Readme 0 stars 5 watching 0 forks

Releases No releases published [Create a new release](#)

Packages No packages published [Publish your first package](#)

File/Folder	Commit Message	Time Ago
siriwarwick	Delete ThaiPASS_2022_answ...	8ed566e 4 minutes ago 120 commits
Astronomy at high sp...	A few final tweaks	10 hours ago
Exoplanets	Update README.md	3 days ago
Pre-tasks	Delete ThaiPASS_2022_answers.ipynb	4 minutes ago
The lives of stars	Delete Supernova_Remnants_Solutions.ipynb	3 months ago
Tutorials	Small fixes	14 months ago
.DS_Store	solutions added	10 months ago
.gitignore	Readme file updated	12 months ago
README.md	Update README.md	2 months ago

☰ README.md

- Look for ipynb files in each of the folders



- Ask questions

- To join:
https://join.slack.com/t/thaipass2022/shared_invite/zt-17gvmd1r7-Rvc~QJHlxhXPAwPLOhXnw
- thaipass2022.slack.com
- Can download Slack app on your phone
- Use the correct channel for each homework

ThaiPASS2...

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Mentions & reactions
Slack Connect
More

Channels

- # astronomy-at-hig...
- # exo-planets
- # general
- # lives-of-stars
- organisers
- # pre-thaipass-exer...
- # random
- + Add channels

Direct messa...

- siri.chongchitnan ...
- Admin_ice
- Claire Cashmore
- Dimitris Stamatell...
- Jindamanee Srisa...
- Marco Pignatari

You're looking at the **#general** channel
This is the one channel that will always include everyone. It's a great spot for announcements and team-wide conversations. [Edit description](#)

Friday, March 11th

siri.chongchitnan 5:18 AM
joined #general along with 15 others.

B I

Send a message to #general

+

Submit homework

Home

Pre-ThaiPASS exercise

Programme

Courses and homework

Python for Teachers

Speakers

Participants

Courses and homework

Here are our online-learning courses and support.

- Videos are on our [ThaiPASS YouTube Channel](#) (please subscribe).
- Download homework ipynb notebooks on [GitHub](#).
- Ask us lots of questions on [Slack](#). Don't be shy!
- Students from the same school may choose to submit together.

Deadline 31st May 2022.

Homework submission links:

- Submit homework for [Astronomy at High Speed](#)
- Submit homework for [Exoplanets](#)
- Submit homework for [The Lives of Stars](#)
- (You can still submit homework for [Pre-ThaiPASS exercise](#) if you have not done so.)

Notes:

- Solutions to all tasks will be on GitHub after the deadline.
- Outstanding students will be chosen by each UK university. They will each receive a special prize from NARIT.
- Certificates will be sent to you by July 2022.

Astronomy at High Speed submission

Upload your homework for the Astronomy at High Speed course (by University of Warwick) here. You will need to sign in to your Gmail account to submit. We will use the Gmail address provided to give feedback for your work.

nongaussianity@gmail.com [Switch account](#)



The name and photo associated with your Google account will be recorded when you upload files and submit this form. Only the email you enter is part of your response.

*** Required**

Email *

Your email

Name of your school (in English) *

Your answer

Names of students in the team (in English). If you worked on your own, just write only your own name. *

Your answer

File submission (please upload only ipynb file) *

 [Add file](#)

What you will get

2022 ThaiPASS
Thailand-UK

Python +
Astronomy
Summer School

Sample certificate

This is to certify that **Ms. Jisoo Kim** from **Blackpink School** has completed the following training courses at the Thailand-UK Python+Astronomy Summer School 2022

<i>Course</i>	<i>Delivered by</i>	<i>Achievement</i>
Basic Python	University of Bristol	Distinction
Exoplanets	University of Central Lancashire	Pass
The Lives of Stars	University of Hull	Distinction
Astronomy at High Speed	University of Warwick	Distinction

[Signature of Dr Saran]

April 2022



Teacher Training 21-22 May

กำหนดการโครงการอบรม ThaiPASS'22 Python for Teachers

โดย ผู้ช่วยศาสตราจารย์ ดร. ธีรภาพ ฉันทวัฒน์

วิทยาลัยเพื่อการค้นคว้าระดับรากฐาน มหาวิทยาลัยนเรศวร

วันที่ 21 - 22 พฤษภาคม พ.ศ. 2565

วันที่ 21 พฤษภาคม พ.ศ. 2565

- 08.30 – 10.30 การใช้งานโปรแกรม Python เบื้องต้น
- 10.30 – 11.00 พักรับประทานอาหารกลางวัน
- 11.00 – 12.00 การใช้งานโปรแกรม Python เบื้องต้น (ต่อ)
- 12.00 – 13.00 พักรับประทานอาหารกลางวัน
- 13.00 – 14.30 การคำนวณทางวิทยาศาสตร์โดยใช้ Numpy และ Scipy
- 14.30 – 15.00 พักรับประทานอาหารกลางวัน
- 15.00 – 16.30 การคำนวณทางวิทยาศาสตร์โดยใช้ Numpy และ Scipy (ต่อ)

วันที่ 22 พฤษภาคม พ.ศ. 2565

- 08.30 – 10.30 การสร้างกราฟพื้นฐานโดยใช้ Matplotlib
- 10.30 – 11.00 พักรับประทานอาหารกลางวัน
- 11.00 – 12.00 การสร้างกราฟพื้นฐานโดยใช้ Matplotlib (ต่อ)
- 12.00 – 13.00 พักรับประทานอาหารกลางวัน
- 13.00 – 14.30 การสร้างภาพ Animation โดยใช้ Matplotlib
- 14.30 – 15.00 พักรับประทานอาหารกลางวัน
- 15.00 – 16.30 แนะนำการใช้งาน GUI เบื้องต้นโดยใช้ Tkinter

Programme may change

Our message to you

- We really love questions! Please ask us on Slack
- Chat with students from other schools on Slack.
- Check the ThaiPASS website for the latest news.

<http://www.narit.or.th/thaipass4>

Contact

- For Python and Astronomy questions, ask on *Slack*
- For general admin questions about certificates, prizes, email thaipass@narit.or.th
- All other questions/comments, write to me at siri.chongchitnan@warwick.ac.uk
- Good luck!