

Program of IVC “The Next Generation Surveys for Multimessenger Astronomy” 2024

Thursday, August 23, 2024

Note: The program below is tentative.

DAY 1, Mon, 26 August 2024				
No	Time (UTC+7)	Topic	Guest Lecturer / Speaker	Moderator
1	07.45-08.00	Opening	Chair of Astronomy Research Group	MC
2	08.00-08.15	Photo session	Photo session	MC
3	08.00-09.30	Galaxies and extragalaxies	Prof. Dr. Premana W. Premadi	Dr. Fargiza A. M. Mulki
4	09.45-11.15	Large scale structure of the universe	Prof. Dr. Premana W. Premadi	Dr. Fargiza A. M. Mulki
5	13.00-14.30	Dark matter	Dr. rer. nat. Hesti Wulandari	Dr. Fargiza A. M. Mulki
6	14.45-16.15	Dark energy	Dr. rer. nat. Hesti Wulandari	Dr. Fargiza A. M. Mulki
7	16.15-17.00	Technical meeting with tutor	All tutors	All tutors
8	19.00-20.00	Optional consultation in Slack	ITB Team	---
DAY 2, Tue, 27 August 2024				
No	Time (UTC+7)	Topic	Guest Lecturer / Speaker	Moderator
1	08.00-09.30	Science with radio astronomy	Prof. Dr. Taufiq Hidayat	Dr. Ibnu N. Huda
2	09.45-11.15	Science with radio astronomy	Prof. Dr. Taufiq Hidayat	Dr. Ibnu N. Huda
3	13.00-14.30	Hands on	Designated Tutor	Designated Tutor
4	14.45-16.15	Hands on	Designated Tutor	Designated Tutor
5	19.00-20.00	Optional consultation in Slack	ITB Team	---
DAY 3, Wed, 28 August 2024				
	Time (UTC+7)	Topic	Guest Lecturer / Speaker	Moderator
1	08.00-09.30	Gamma-Ray Burst	Prof. Dr. Kohta Murase	Dr. Kiki Vierdayanti
2	09.45-11.15	Accretion powered X-ray sources	Dr. Kiki Vierdayanti	Dr. Fargiza A. M. Mulki
3	13.00-14.30	Accretion powered X-ray sources	Dr. Kiki Vierdayanti	Dr. Fargiza A. M. Mulki
4	14.45-16.15	Hands on	Designated Tutor	Designated Tutor

5	19.00-20.00	Optional consultation in Slack	ITB Team	---
DAY 4, Thu, 29 August 2024				
	Time (UTC+7)	Topic	Guest Lecturer / Speaker	Moderator
1	08.00-09.30	Unique galaxy population: LRD, DSFG, RIAF	Dr. Irham T. Andika	Dr. Fargiza A. M. Mulki
2	09.45-11.15	Generating SED from COSMOS 2020 Catalog	Dr. Irham T. Andika	Dr. Fargiza A. M. Mulki
3	13.00-14.30	Hands on: Data mining & sample selection (in a group)	Designated Tutor	Designated Tutor
4	14.45-16.15	Hands on: SED stacking	Designated Tutor	Designated Tutor
5	19.00-20.00	Optional consultation in Slack	ITB Team	---
DAY 5, Fri, 30 August 2024				
	Time (UTC+7)	Topic	Guest Lecturer / Speaker	Moderator
1	08.00-09.30	Multiwavelength observation of AGN	Dr. Kohei Ichikawa	Dr. Itsna K. Fitriana
2	09.45-11.15	Hands on	Designated Tutor	Designated Tutor
3	13.00-14.30	Hands on	Designated Tutor	Designated Tutor
4	14.45-16.15	Hands on Dr. Kiki Vierdayanti	Dr. Kiki Vierdayanti & Designated Tutor	Dr. Fargiza A. M. Mulki
5	19.00-20.00	Optional consultation in Slack	ITB Team	---
DAY 6, Monday, 2 September 2024				
	Time (UTC+7)	Topic	Guest Lecturer / Speaker	Moderator
1	08.00-09.30	AGN & Galaxy coevolution	Dr. Itsna K. Fitriana	Dr. Irham T. Andika
2	09.45-11.15	Introduction to SED fitting: CIGALE	Dr. Itsna K. Fitriana	Dr. Irham T. Andika
3	13.00-14.30	Hands on: Cigale SED fitting	Designated Tutor	Designated Tutor
4	14.45-16.15	Hands on: Study galactic & AGN properties	Designated Tutor	Designated Tutor
5	19.00-20.00	Optional consultation in Slack	ITB Team	---
DAY 7, Tue, 3 September 2024				
	Time (UTC+7)	Topic	Guest Lecturer / Speaker	Moderator
1	08.00-09.30	Basic of gravitational waves	Dr. Sanjit Mitra	Dr. Anton T. Jaelani

2	09.45-11.15	Gravitational waves data analysis and results	Dr. Anand Sengupta	Dr. Anton T. Jaelani
3	13.00-14.30	Multi-messenger lensing	Dr. Anupreeta More	Dr. Anton T. Jaelani
4	14.45-16.15	Hands on	Designated Tutor	Designated Tutor
5	19.00-20.00	Optional consultation in Slack	ITB Team	---
DAY 8, Wednesday, 4 September 2024				
	Time (UTC+7)	Topic	Guest Lecturer / Speaker	Moderator
1	08.00-09.30	Subaru/PFS	Dr. Masayuki Tanaka	Dr. Itsna K. Fitriana
2	09.45-11.15	Radio astronomy: VLBI	Dr. Ibnu N. Huda	Dr. Fargiza A. M. Mulki
3	13.00-14.30	Radio astronomy: VLBI	Dr. Ibnu N. Huda	Dr. Fargiza A. M. Mulki
4	14.45-16.15	Hands on	Dr. Ibnu N. Huda	Dr. Fargiza A. M. Mulki
5	19.00-20.00	Optional consultation in Slack	ITB Team	---
DAY 9, Thu, 5 September 2024				
	Time (UTC+7)	Topic	Guest Lecturer / Speaker	Moderator
1	08.00-09.30	Neutrino	Prof. Dr. Kohta Murase	Dr. Kiki Vierdayanti
2	09.45-11.15	Student presentations	Dr. Kiki Vierdayanti	Dr. Fargiza A. M. Mulki
3	13.00-14.30	Gravitational lensing	Dr. Anton T. Jaelani	Dr. Fargiza A. M. Mulki
4	14.45-16.15	Gravitational lensing	Dr. Anton T. Jaelani	Dr. Fargiza A. M. Mulki
5	19.00-20.00	Optional consultation in Slack	ITB Team	---
DAY 10, Fri, 6 September 2024				
	Time (UTC+7)	Topic	Guest Lecturer / Speaker	Moderator
1	08.00-09.00	Team/Group discussion (consultation)	Designated Tutor	Designated Tutor
2	09.00-10.30	Team/Group discussion (consultation)	Designated Tutor	Designated Tutor
3	13.00-14.30	Student presentations	Students	M. Ali Syaifudin & Muthia Dewi
4	14.45-16.15	Student presentations	Students	M. Ali Syaifudin & Muthia Dewi
5	16.15-16.45	Closing	Chair of Astronomy Study Program	Dr. Fargiza A. M. Mulki