

Name of the School	Dates of the School	Duration	Venue	Level	Estimated Number of Students	Topics to be Covered	Mode of Delivery: Lectures, Labs, Observing	Number of Astronomers as Teachers	Principal Organizer/ Source of Information	Organizer/Source of Information Contact Email	Website	Funding, Sponsorship
Hanoi School of Astrophysics	Dec 2017	1 week	Hanoi National University of Education	combination of graduate student, undergraduate, high school	30	Stellar, exoplanets, cosmology and Gravitational waves	Yes, all these	6	Nguyen Quynh Lan	nguyvohlan@hmsc.edu.vn	www.phva.hmsc.edu.vn	We plan apply to TFI OAD-IAU, JINA, NAOJ, Vietnam (Nafosted, HNUE), ISYA (still to have result)
II Escuela Andina de Astronomia	Aug 2017	5 days	Universidad Nacional de Ingenieria (UNI), in Lima	graduate students and advanced undergraduates	about 50	Stellar Astrophysics: Astronomy with small telescopes (D-1m); Planetary Sciences & Exoplanets	lectures	3	Jaime E. Forero-Romero, Director of Andean ROAD	je.forero@uniandec.edu.co	Not yet	Confirmed: Universidad Nacional de Ingenieria, Lima, Perú. Possible: ICTP (International Centre for Theoretical Physics), IAU (International Astronomical Union), FONDECYT (Fondo Nacional de Desarrollo Científico, Tecnológico y de Innovación Tecnológica) (Perú), IGI – UNI (Instituto General de Investigación de la Universidad Nacional de Ingenieria) (Perú), Instituto Geofísico del Perú
Optical Design Summer School	Aug 1-6, 2016	6 days	Chiang Mai, Thailand	graduate students	20	optical aberrations, optical design, ZEMAX	lectures/ computer classes/ hands-on observing	4	Wichan Insiri (SEA-ROAD director)	wichan@narit.or.th	Yes	NARIT
Photometry Using ULTRASPEC Data Pipeline	Dec, 2016 or Jan 2017	?	Nakorn Ratchasima, Thailand	Thai astronomers and grad students	10	The use of the ULTRASPEC data pipeline for the Thai astronomers and faculty members in eastern Thailand	lectures/ computer classes/ hands-on observing/ hands-on observing	4	Wichan Insiri (SEA-ROAD director)	wichan@narit.or.th	Yes	NARIT and Suranaree University of Technology
Winter School in Atmospheric Science : An Introduction	Sept 28-30, 2017	3 days	Chiang Mai, Thailand	Grad/ Under Grad	50	to be arranged	lectures/ computer classes/ hands-on observing/ hands-on observing	15	Wichan Insiri (SEA-ROAD director)	wichan@narit.or.th	Yes	NARIT and IAU
An Introduction to Field Techniques in Ethnoastronomy	Jan 16- 20 2017	5 days	Chiang Mai, Thailand	Grad/ Under Grad	20	Ethnoastronomy in Asia; The Traditional Northern Thai Perception of the Night Sky; Astronomy and Rice Cultivation in Northern Thailand	lectures	6	Wichan Insiri (SEA-ROAD director)	wichan@narit.or.th	Yes	NARIT and IAU
First International School on Science and Data with the Evryscope for the Arctic and Antarctic	July 2017	?	Chiang Mai, Thailand	Graduate students	30	Awareness and interest enhancement of EVA	lectures/ computer classes/ hands-on observing/ hands-on observing	8	Wichan Insiri (SEA-ROAD director)	wichan@narit.or.th	Yes	NARIT and IAU
Radio Astronomy Technology Training	July 2017	?	Chiang Mai, Thailand	Grad/ Under Grad	30	to be arranged	lectures/ computer classes/ hands-on observing/ hands-on observing	5	Wichan Insiri (SEA-ROAD director)	wichan@narit.or.th	Yes	NARIT and IAU and Newton Fund
Seminar/Workshop on Basic and Observational Astronomy for High School Students	Dec 2017	3 days	Manila, the Philippines	High school students	30	lar system; Positional astronomy; Stars	lectures/ computer classes/ hands-on observing/ hands-on observing	5	Wichan Insiri (SEA-ROAD director)	wichan@narit.or.th	Yes	PAGASA and IAU
Radio Astronomy Technology Training	July 2018	?	Chiang Mai, Thailand	Grad/ Under Grad	30	to be arranged	lectures/ computer classes/ hands-on observing/ hands-on observing	5	Wichan Insiri (SEA-ROAD director)	wichan@narit.or.th	Yes	NARIT and IAU and Newton Fund
Optical Design Summer School	Aug 2017	7 days	Chiang Mai, Thailand	graduate students	20	optical aberrations, optical design, ZEMAX	lectures/ computer classes/ hands-on observing	4	Wichan Insiri (SEA-ROAD director)	wichan@narit.or.th	Yes	NARIT
West African International Summer School for Young Astronomers (WAISYYA)	2017	1 week	Ghana	Undergraduate students and postgraduate students in different sessions	undergraduate students (50), postgraduate students (10)	The focus of the summer school is helping students strengthen their ability to think scientifically, via an inquiry activity on distances. Also stars, cosmology, and instrumentation.	The school has interactive lectures (using evidence-based active learning techniques), a computing course (for postgraduate students) and hands-on observing experience.	11	Bonaventure Okere, Director, West African ROAD	bona.okere@gmail.com	http://www.astronomyigeria.com/	Grant from OAD, internally generated funds, funds from the institutions of the visiting instructors, and fund from co-sponsors
5th Byurakan International Summer School (5BISS)	12-23 September 2016	2 weeks	Byurakan, Armenia	MSc and PhD students and young astronomers	25	Ground-based Telescopes and Modern Observational Techniques, Space Telescopes and Space Missions, Computers for Astronomy: Astronomical Data Reduction, Catalogs, Archives, Databases and Virtual Observatories, Studies of Planets, Stars, Nebulae, and Galaxies by various methods, Astronomical Surveys and Future Giant Projects, Archaeoastronomy and Astronomical Heritage	lectures, lab classes, computer classes, hands-on observing experience	7 to 8	Areg Mickaelian, Director, SW Asia ROAD	aregmick@yahoo.com	http://www.arn.arn/SS2016/index.html	Funded by the Byurakan Astrophysical Observatory
6th Byurakan International Summer School (6BISS)	10-21 September 2018	2 weeks	Byurakan, Armenia	MSc and PhD students and young astronomers	25	Ground-based Telescopes and Modern Observational Techniques, Space Telescopes and Space Missions, Computers for Astronomy: Astronomical Data Reduction, Catalogs, Archives, Databases and Virtual Observatories, Studies of Planets, Stars, Nebulae, and Galaxies by various methods, Astronomical Surveys and Future Giant Projects, Archaeoastronomy and Astronomical Heritage	lectures, lab classes, computer classes, hands-on observing experience	7 to 8	Areg Mickaelian, Director, SW Asia ROAD	aregmick@yahoo.com	Not yet	Funded by the Byurakan Astrophysical Observatory
First Arab Winter School for Astrophysics	Nov 28- Dec 03, 2016	6 days	Cadi Ayyad University, Marrakesh, Morocco	Graduate students?	?	Solar System and Exoplanets; Solar Physics; Galactic Astronomy: Stars, Stellar Clusters, Nebulae, SNR and ISM; Extragalactic Astronomy: Galaxy Formation and Evolution, and Cosmology; Observational Astronomy: HRA, Adaptive Optics, Site Testing; Technical Tools: Python, IDL, Iraf, and Virtual Observatory	lectures, computer classes, visit to Oukaimeden Observatory	16	Kevin Gounder, Director OAD and Awmi Al-Khasawneh, Director Arab ROAD	kg@astro4dev.org	http://marrakech-astro.uca.ma/fawsa/	OAD and Harvard-Smithsonian Center for Astrophysics in collaboration with Cadi Ayyad University.
Latin American School of Observational Astronomy 2016	10-29 Jan 2016	3 weeks	The National Observatory in Tonantzintla, Mexico	Undergrad and grad students?	?	astronomy of position and time, the Sun, spectral classification, photometry, stellar evolution, optical instrumentation and electronics, interstellar material, the galaxy, extragalactic systems, radio astronomy and non-visible astronomy.	students attend theoretical classes, supported by practical observations using the 1-m telescope of UNAM's Tonantzintla Observatory	24	José H. Peña	jhpna@astro.unam.mx	http://www.inaoep.mx/noticias/noticia=363&anio=2016	The school is organised jointly by the Instituto Nacional Astrofísica, Óptica y Electrónica (INAOE) and by the Instituto de Astronomía de UNAM.
Uplifting the Mozambican astronomy community			Mozambique			a workshop based on the Joint Exchange Development Initiative. Topics include radio astronomy, astrophysics, cosmology and data analyses			Claudio Paulo	claudiopaulo@gmail.com		OAD

38th International School for Young Astronomers	20 Aug - 8 Sep 2016	3 weeks	Tehran, Iran	Graduate students	~50	Structures and Evolution of Galaxies; Stellar Evolution; Planet Formation and Exoplanets; Observational Techniques; Data Reduction and Analysis	lectures, computer and lab classes	11	Habib Khosroshahi and Kam-Ching Leung	habib@ipm.ir ; kleung2@uml.edu	http://www.astro.ipm.ir/isy2016/index.jsp#	Norwegian Academy Science and Letters; IAU
Vatican Observatory Summer School 2016	29 May - 24 June 2016	4 weeks	Castelgandolfo, Italy	Graduate students	~25	Water in the solar system and beyond	lectures, lab classes, cultural visits	7	Guy Consolmagno, SJ	school@specola.va	http://www.vaticanobservatory.va/content/peccolavaticana/en/summer-schools-voss-1/vees2016.html	Specola Vaticana, the Vatican Observatory
Xinglong Observational Astrophysical Training Workshop	1-7 Aug 2017	1 week	Xinglong Observatory, Beijing area	Grad students?	~40	Time Domain Astronomy	lectures, hands-on observing	?	Richard de Grijs, Director E Asia and Chinese language ROAD	grijs@pku.edu.cn		
Peking University astronomy summer school	Aug 2017	5-6 days	Beijing and Xinglong Observatory	High school students	100+	General Astronomy. The aim is to identify excellent students to recruit to university degree programmes at PKU, BNU.	lectures, visit to Xinglong Observatory for observing experience	?	Richard de Grijs, Director E Asia and Chinese language ROAD	grijs@pku.edu.cn		Peking University; Beijing Normal University; Beijing Planetarium
Ethiopian Universities Summer School in Astronomy	second half of July 2017	2 weeks	Bahir Dar, Gonder, Mekelle, Adama and Hawassa universities, Ethiopia	undergraduate, and high school	~300-500 students per university, so 1500-2500 overall	An introduction to basic Astronomy, star constellations and star gazing techniques	lectures and computer labs	At least 2 in each university	Kelali Tekle, Director of East African ROAD	atkelah@gmail.com	Yes. Each of five universities has a website. See www.bdu.edu.et ; www.uog.edu.et ; www.mu.edu.et ; www.astu.edu.et ; www.hu.edu.et	The universities will cover accommodation and meal costs, but other costs will be covered by the ROAD; however, the regional office has not yet secured funds for the summer program.
Ethiopian Universities Summer School in Astronomy	second half of July 2018	2 weeks	Bahir Dar, Gonder, Mekelle, Adama and Hawassa universities, Ethiopia	undergraduate, and high school	~300-500 students per university, so 1500-2500 overall	An introduction to basic Astronomy, star constellations and star gazing techniques	lectures and computer labs	At least 2 in each university	Kelali Tekle, Director of East African ROAD	atkelali@gmail.com	Yes. Each of five universities has a website. See www.bdu.edu.et ; www.uog.edu.et ; www.mu.edu.et ; www.astu.edu.et ; www.hu.edu.et	The universities will cover accommodation and meal costs, but other costs will be covered by the ROAD; however, the regional office has not yet secured funds for the summer program.
Astronomy Data Analysis Regional Summer School	7-18 Nov 2016	2 weeks	Copperbelt University, Kitwe, Zambia	?	?	Astronomy Data Analysis	?	?	Prosperity Simpemba, Director, Southern Africa ROAD	ps200800@gmail.com	?	?
Astronomy Regional Summer School	5-16 Nov 2018	2 weeks	venue to be announced	?	?	?	?	?	Prosperity Simpemba, Director, Southern Africa ROAD	ps200800@gmail.com	?	?
JEDI Workshop in Mozambique	21/09/2016 - 1/10/2016	72 h	Universidade Eduardo Mondlane, Maputo	Graduate level	10			7	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	http://www.astro4dev.org/blog/category/apilifting-the-mozambican-astronomy-community/	IAU office of Astronomy for Development project
Adoption and Adaptation of New Technologies to Enhance Public Universities in Astronomy Combined with Energy	2017-18		Universidade Eduardo Mondlane, Maputo	Graduate level	20		National Fund for Research in Mozambique for financing. If approved will bring telescopes (observatory) for outreach to EMU	4	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com		National Fund for Research in Mozambique: Probable Financier
Syllabus development for University of Eduardo Mondlane (EMU)	22/9/16 to 29/9/16	1 week	Universidade Eduardo Mondlane, Maputo	Graduate level		This will be a workshop where it foresees the creation of foundations for EMU consider opening a course of astronomy. Note	lectures, hands-on activities, use of ICT tools, observational activities	4	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com		probably will be funded by SKA - South Africa e o Ministério da Ciência e Tecnologia de Moçambique.
Action training and Teacher information			Universidade de Cabo Verde, Cape Verde Is	undergraduate, high school	estimated participation about 5000 students		lectures, hands-on activities, use of ICT tools, observational activities	4	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com		
Astronomia para Todos	05/2016 until 03/2017		Universidade Federal do Pampa, Cacupava do Sul / Bagé / Uruguaiana / Alegrete, Brazil	undergraduate, high school	1000	Positional Astronomy - Basic Concepts	lectures, hands-on activities, use of ICT tools, observational activities, use of planetarium	18	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	http://porteurs.s.unipampa.edu.br/planetario/	ProectMEC 2016
Training course for planetary specialists, advanced module	1-4 Aug 2016	4 days	Museu de Astronomia e Ciências Afins, Rio de Janeiro, Brazil	graduate level	30	Stellar Evolution, Galaxies, Astrobiology, Sky of different Locations	lectures, hands-on activities	5	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	http://www.mast.br/	Not funded yet
Mini-course on astronomy	October each year	12 h	Centre for teaching and research in astronomy, Manaus, Brazil	teacher training	25	Astronomy basics	lectures, observing, other activities, Planetarium sessions	1	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	Not yet	Not funded yet
Course in indigenous astronomy	Aug-16	20 h	Centre for teaching and research in astronomy, Parintins, Brazil	undergraduate, high school	120	Basics of indigenous astronomy	lectures, observing, other activities, Planetarium sessions	1	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	Not yet	Not funded yet
Course in positional astronomy	Sep-16	8 h	Centre for teaching and research in astronomy, Barreirinha, Brazil	teacher training	40	Constellations; positional astronomy	lectures, observing, other activities, Planetarium sessions	1	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	Not yet	Not funded yet
Mini-course on astronomy	Oct-17	12 h	Centre for teaching and research in astronomy, Manaus, Brazil	teacher training	25	Astronomy basics	lectures, observing, other activities, Planetarium sessions	1	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	Not yet	Not funded yet
Mini-course on astronomy	Oct-18	12 h	Centre for teaching and research in astronomy, Manaus, Brazil	teacher training	25	Astronomy basics	lectures, observing, other activities, Planetarium sessions	1	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	Not yet	Not funded yet
Course on fundamental astronomy	Mar-17	8 h	Centre for teaching and research in astronomy, Barreirinha, Brazil (repeated in 9 additional towns in Brazil over next 18 months)	undergraduate, high school	40	Indigenous Astronomy, Solar Astronomy and positional astronomy.	lectures, observing, other activities, Planetarium sessions	1	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	Not yet	Not funded yet
PRECISION SPECTROSCOPY 2016. Abundances, nucleosynthesis and chemical evolution	19-21 Sep 2016	3 days	UFGRS and IAG/USP, Porto Alegre, Brazil	graduate level	50	Theory and stellar observations. Stellar spectroscopy. Chemical abundances and evolution of the Galaxy.	lectures, hands-on activities	6	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	http://www.astro.iag.usp.br/~jorge/ps/	Funded by UFGRS and IAG/USP
Hands-on astronomy: Discovery of the Solar System	27-30 Jun 2016	4 days (30 h)	Nucleo interactivo de astronomia, NUCLIO, Vialonga, Portugal	teacher training	20	Solar system	lectures, lab classes, computer classes, hands-on activities	2	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	http://nucleio.org/blog/estronomia-hands-on-2-descobrir-o-sistema-solar-vialonga-jun-2016/	Funding by NUCLIO and NUCLIO project partners
Introduction to planetary geology	23 Jan - 28 May 2016	6 days (typically 1 selected day each month)	Nucleo interactivo de astronomia, NUCLIO, San Pedro do Estoril, Portugal	teacher training	20	Planetary Geology	lectures, lab classes, computer classes, hands-on activities	2	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	http://nucleio.org/blog/geologia-planetaria-introducao-a-pedro-do-estoril-jan-mai-2016/	Funding by NUCLIO and NUCLIO project partners
Space awareness: inspiring a new generation of space explorers	2017 or 2018	not defined yet	Several venues in Portugal	teacher training	not defined yet	Solar System; Stars; Navigation	lectures, lab classes, computer classes, hands-on activities	2	Sara Anjos, PLOAD Director, NUCLIO, São Domingos de Rana, Portugal	saraanjos@gmail.com	http://www.space-awareness.org/en/	Funding by NUCLIO and NUCLIO project partners
Aurora School in Astronomy	April each year	5 days	University of Canterbury, Christchurch, New Zealand	senior high school students	20	All branches of astronomy	lectures, lab classes, computer classes, hands-on activities, 2 nights at Mt John Observatory	6	John Hearnshaw, University of Canterbury	john.hearnshaw@canterbury.ac.nz	http://www.outreach.canterbury.ac.nz/documents/aurora_astro_12.pdf	Funded by a private benefactor