AstroMundus

Erasmus+: Erasmus Mundus Joint Master Degree in Astronomy & Astrophysics: Master Theses and Alumni Careers

Edition 1 – Master theses and Alumni careers

Name & Country of origin	Master Thesis	AstroMundus Graduation	First position after graduation and further positions, when known
Zahra Alvi, Pakistan	Growth of Super Massive Black holes on Cosmological Timescales	University of Göttingen, 03/09/2012	Jobs outside academia: Research analyst, United Arab Emirates Entrapreneur.
Khan Muhammad bin Asad, Bangladesh	On the origin of cold fronts and radio mini halos by means of gas sloshing	University of Rome Tor Vergata, 20/07/2012	PhD, Kapteyn Astronomical Institute, University of Groningen, Th Netherlands. Since October 2016 Post-Doc at the SKA Office in South Africa.
Abbas Askar, Pakistan	Optical Emission from Ultraluminous X-ray Sources	University of Padua, 27/09/2012	PhD, Nicolaus Copernicus Astronomical Center, Polish Academy of Sciences, Warsaw, Poland
Luca Grassitelli, Italy	Physical Parameters of the Relativistic Shock Waves in a sample of Gamma Ray Bursts	University of Belgrade, 27/07/2012	PhD, IMPRS Max-Planck-Institute for Radioastronomy, Argelander Institut für Astronomie, Bonn, Germany - concluded ir October 2016. Now Post-Doc at the same Institute.
Yu-Cian Hong, Taiwan	Dynamics and survival of moons of extra-solar giant planets in planet-planet scattering	University of Padua, 27/09/2012	PhD, Cornell University, U.S.A.
Cigdem Kanberoglu, Turkey	From TOD to CMB power spectra; A new, improved, Map making algorithm	University of Rome Tor Vergata, 20/07/2012	PhD, Middle East Technical University, Turkey
Christopher Marvin, USA	A spectrum forward simulator for CARMENES	University of Göttingen, 20/09/2012	PhD, Institute for Astrophysics, University of Göttingen, Germany
Remudin Reshid Mekuria, Ethiopia	Hydrodynamical studies for cosmology	University of Göttingen, 05/09/2012	PhD, Wits University, Johannesburg, South Africa - concluded in autumn 2017.
Pece Podigachoski, Macedonia	Dust-enshrouded star formation in galaxy clusters: the 24 m cluster galaxy population	University of Innsbruck, 10/08/2012	PhD, Kapteyn Astronomical Institute, University of Groningen, The Netherlands - concluded in October 2016. Now working as technical analyst in a Dutch company
Nemanja Rakic, Bosnia Herzegovina	Variability of AGN spectral properties	University of Belgrade & University of Göttingen, 27/07/2012	Univ. Assistant, University of Banja Luka, Bosnia-Herzegovina & PhD, University of Belgrade, Serbia
Payaswini Saikia, India	The UV and optical spectral properties of a sample of broad line AGNs	University of Belgrade and University of Göttingen, 27/07/2012	PhD, Radboud University, Nijmegen, The Netherlands - successfully concluded in June 2018. Now post-doc at New York University, Abu Dhabi, United Arab Emirates
Sara Alejandra Sans, Spain	Human-Robotic Mars Science Operations:Target Selection Optimization via Traverse and Science Planning	University of Innsbruck, 14/08/2012	PhD, GAIA Research for European Astronomy Training (GREAT-ITN) network, KU Leuven, Belgium - successfully concluded in January 2017.
Kamal Mohamed Teleb, Egypt	Efficient Identification of Exoplanetary Transit Signals	University of Innsbruck, 25/04/2013	Teaching Assistant (demonstrator), Sohag University, Faculty of Science, Egypt
Paritosh Verma, India	Study of Detectability of Gravitational Wave Signals from Highly Magnetic Accreting Millisecond Neutron Stars	University of Rome, 28/09/2012	Further studies at the University of Massachusetts, U.S.A.
Dimitar Vlaykov, Bulgaria	Observable consequences of open inflation	University of Göttingen, 05/09/2012	PhD, Institute for Astrophysics, University of Göttingen, Germany - successfully concluded in September 2015. Postdoctoral Researcher at the Max Planck Institut für Dynamik und Selbstorganisation, Göttingen
Laura Valnas Italy	Thermal and magnetic structure of the	University of	PhD, Institute for Astrophysics, University of Göttingen, Germany

Some impressions from Edition 1 graduation sessions



Some impressions from Edition 2 graduation sessions

Göttingen, 20/07/2012

- successfully concluded in June 2016

Laura Volpes, Italy

corona in a 3D MHD simulation



Edition 2 – Master theses and Alumni careers

Name & Country of origin	Master Thesis	AstroMundus Graduation	First position after graduation and further positions, when known
Wilnelia Edith Adams, South Africa	Sun-Climate Relations: The Effect of UV Irradiance Variability on Stratospheric Ozone over the 11- year Solar Cycle	University of Rome Tor Vergata, 27/09/2013	PhD, Davos World Radiation Center & ETH Zurich, Switzerland
Cosmos Dumba, Uganda	Probing the Accretion Disk Winds in AGN	University of Göttingen, 23/08/2013	Teaching Assistant, Mbarara University, Uganda & PhD, University of Jena & Tautenburg Observatory, Germany
Levan Kakabadze, Georgia	Contribution of Structure Formation: Cosmic Rays to Extragalactic Gamma Ray Background	University of Innsbruck & University of Belgrade, 30/09/2013	Job as software engineer, Georgia
Vladimir Lukovic, Serbia	Lemaitre-Tolmon-Bondi: Cosmological Model	University of Rome Tor Vergata, 27/09/2013	PhD, Joint PhD programme at the Universities of Rome "Tor Vergata" and "La Sapienza", Italy, concluded in 2017. Now Post-Doc at UniTOV.
Gerardo Martinez Aviles, Mexico	On the Evolution of Galactic Habitability	University of Innsbruck & University of Belgrade, 23/08/2013	PhD, International Relativistic Astrophysics Programme, Erasmus Mundus Joint Doctorate, University of Nice, France
Fahad Nasir, Pakistan	Mock X-Ray Oberservations of Galaxies undergoing RAM-pressure stripping	University of Innsbruck, 13/08/2013	PhD, University of Nottingham, United Kingdom. Now post-doc at University of California, Riverside, USA.
Kalyan Kumar Radhakrishnan Pattathill Santhakumari, India	Removal of the Ground Layer for very large Telescopes	University of Padua, 13/09/2013	PhD, IMPRS Max-Planck-Institute for Astronomy, Heidelberg, Germany
Barbara Lucia Ramirez Mosquera, Venezuela	Study of the Intercluster Medium Velocity Structure in Cosmological Simulations	University of Innsbruck, 13/09/2013	PhD, University of Innsbruck, Austria
Xuan Nhut Truong, Vietnam	Neutrino Physics and new Perspectives in Cosmology	University of Padua, 13/09/2013	PhD, Joint PhD programme at the Universities of Rome "Tor Vergata" and Rome "La Sapienza", Italy, concluded in 2017. Now Post-Doc at Eötvös Loráno University, Budapest, Hungary
Abhay Pratap Yadav, India	Study of Chromospheric Activity of Solar-Type Stars	University of Göttingen, 14/09/2013	PhD, EXPERT III Erasmus Mundus programme, Institute for Astrophysics, University of Göttingen, Germany, concluded in 2016. Now Post-Doc at the University of Göttingen

Edition 3 – Master theses and Alumni careers

Name & Country of origin	Master Thesis	AstroMundus Graduation	First position after graduation and further positions, when known
Paola Wara Chamani Velasco, Bolivia	Star Formation and Accretion Power of Supermassive Black Holes in Circumnuclear Disks	University of Göttingen, 16/09/2014	PhD, Metsähovi Radio Observatory, Aalto University, Finland
Guido Granda Munoz, Peru	Influence of Box Size and Overdensity in Cosmological Simulations	University of Innsbruck, 22/09/2014	PhD, ICRAR - University of Western Australia
Balakrishna Sandeep Haridasu, India	Cosmological Perturbations and Warm Dark Matter	University of Rome Tor Vergata, 24/10/2014	PhD, Gran Sasso Science Institute, l'Aquila, Italy
Fateme Kamali, Iran	AGN Black Hole Masses at Different Cosmological Scales	University of Göttingen & University of Belgrade, 09/09/2014	PhD, IMPRS Max-Planck-Institute for Radioastronomy, Argelander Institut für Astronomie, Bonn, Germany
Rosita Dimitrova Kokotanekova, Bulgaria	X-ray Weak Quasars	University of Göttingen & University of Belgrade, 09/09/2014	PhD, Max-Planck-Institute for Solar System Research, Göttingen, Germany & Open University, U.K.
Le Hoang Nguyen, Vietnam	Search for Binary Counterparts of Galactic Gamma-Ray Transients	University of Rome Tor Vergata, 24/10/2014	PhD, DESY (Deutsches Elektronen-Synchrotron), Hamburg, Germany
Uroš Meštrić, Serbia	Investigations of Structure and Morphology of Galaxies in a Sample from GAMA and SDSS Databases	University of Belgrade, graduated as local student autumn 2015	PhD, Swinburne University of Technology, 'Melbourne, Victoria, Australia

Edition 3 – Master theses and Alumni careers lame & Country of AstroMundus First position after graduation and further

origin	Master Thesis	Graduation	positions when known
Ana Paola Mikler, Colombia	Cluster Properties of High Redshift Sources in the ADF-S Region	University of Padova, 30/09/2014	PhD, IMPRS Max-Planck-Institute for Radioastronomy, Argelander Institut für Astronomie Bonn, Germany
Anna Ogorzalek, Poland	MHD Simulations of Colliding Stellar Winds in Binary Systems	University of Innsbruck, 08/09/2014	PhD, Stanford University, California, U.S.A.
William Arthur Polycarpe, France	Study of the Flyby Anomaly Tracking the Future JUICE Probe with the International Laser Ranging Service	University of Padova, 30/09/2014	PhD, Observatoire de Paris, France
Avneet Singh, India	Primordial Non-Gaussianity in Horndeski-type Models of Inflation	University of Padova, 30/09/2014	PhD, IMPRS at Max Planck Institute for Gravitation Physics (Albert Einstein Institute) and Leibniz University, Hannover, Germany, concluded in 2017 Now Post-Doc at the Albert Einstein Institute, Hannover
Martha Irene Saladino, Mexico	Planetary Bombardment in Young Planetary Systems	University of Göttingen, 03/09/2014	PhD, Radboud University, Nijmegen, The Netherlands
Sreevarsha Sreejith, India	Stellar Mass Content of Planck Sunyaev-Zeldovich Galaxy Clusters	15/09/2014	PhD, University of Innsbruck, Austria. Starting a podoc in October 2018 at the University of Clermont Auvergne, France
Jinglin Zhao, China	End-to-End Simulation of CARMENES Observations	University of Göttingen, 30/09/2014	PhD, University of New South Wales, Australia
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Some impressions from Edition 3 and Edition 4 graduation sessions



Edition 4 – Master theses and Alumni careers

Name & Country of origin	Master Thesis	AstroMundus Graduation	First position after graduation and further positions, when known
Deepak Bastola, Nepal	Study of feedback mechanisms from Active Galaxy Nuclei	University of Göttingen, 10/09/2015	PhD, Laboratoire d'Astrophysique de Marseill Université d'Aix-Marseille, Marseille, France
Grega Belšak, Slovenia	Modeling of Eclipse Time Variations for V471 Tauri System	University of Göttingen, 04/09/2015	n.a.
Aleksandar Cikota, Croatia	A Study of the Effect of Host Galaxy Extinction on the Colors of Type Ia Supernovae	University of Innsbruck, 16/07/2015	PhD, ESO Fellowship at International Max Plance Research School, Garching, Germany, compuly 2018. Now post-doc at Lawrence Berkel National Laboratory, USA.
Dan Josué Deras Badillo, Mexico	Modelling near-surface effects in evolved solar-like oscillators	University of Göttingen, 18/09/2015	PhD, National Autonomous University of Mex (UNAM), Mexico
Arpine Kozmanyan, Armenia	Constraints on Cosmological Parameters from Cosmic Microwave Background and Matter Power Spectrum Observations	University of Rome, 18/09/2015	PhD, University of Rome Tor Vergata, Italy
Kristhell Marisol López López, Guatemala	Central Massive Black Holes and Dark Matter Halos in Low Mass Galaxies	University of Innsbruck, 01/09/2015	PhD, SRON Netherlands Institute for Space Research, Utrecht, The Netherlands
Konstantina Loumou, Greece	A Flare Forecasting Algorithm Based on Multi-Line Magnetograms	University of Rome, 25/09/2015	PhD, University of Glasgow, U.K.

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Editio	n 4 – Master t	heses an	d Alumni careers
Name & Country of origin	Master Thesis	AstroMundus Graduation	First position after graduation and further positions, when known
Mija Lovrić, Serbia	Solar Cycle Effects on Stratospheric Ozone	University of Rome, 25/09/2015	PhD, University of Rome Tor Vergata, Italy
Pietro Olmo Piana, Italy	Time Renormalization Method in Cosmological Perturbation Theory	University of Göttingen, 28/09/2015	Specialization on space transport systems, University of Rome "La Sapienza", Italy. Now PhD student at the Kapteyn Astronomical Institute, University of Groningen, The Netherlands
Eliceth Yaneire Rojas- Montes, Venezuela	Keck/DEIMOS Spectroscopy of Blue Supergiants in IC 10 and Sextans B	University of Innsbruck, 15/01/2016	PhD, Armagh Observatory, U.K.
Noemi Schaffer, Hungary	Ultralight Axion Dark Matter Modeling with Particle-In-Cell Method	University of Göttingen, 03/09/2015	PhD, Department of Astronomy and Theoretical Physics, Lund University & Lund Observatory, Sweden
Lawrence Anthony Short, United Kingdom	Comparison of Predicted and Observed Period Derivatives of RR Lyrae Stars	University of Rome & University of Belgrade, 25/09/2015	PhD, Astrophysics Research Institute, Liverpool John Moores University, Liverpool, U.K.
Efsan Sökmen, Turkey	Determination of Element Abundances of Galactic Globular Clusters Through Red Giants with MUSE/VLT	University of Göttingen, 24/09/2015	PhD, Instituto de Astrofísica de Canarias, Tenerife, Canary Islands, Spain
Miles Landan Timpe, USA	A new age-period-activity relation for M dwarfs: implications for planetary habitability	University of Göttingen, 04/09/2015	PhD, NCCR 'Planet S' program, Swiss exoplanet consortium, Center for Theoretical Astrophysics and Cosmology, University of Zurich, Switzerland
	astro	Owarf Galaxy Evolution in the Massive d Dynamically Active Cluster Abell 3266	DIPARTIMENTO ASTRONOMIA 15:0::03



Editi	on $5 - Master the$	eses and	Alumni careers	Edition	5 & 6 — IVIA
Name & Country of origin	Master Thesis	AstroMundus Graduation	First position after graduation and further positions, when known	Name & Country of origin	Master Thesis
Benjamin Eric Czaja,	Star formation from molecular cloud	University of Padova,	Initially opted for a job in a company in The Netherlands. Currently PhD candidate at the	Liam Donal O'Sullivan, Ireland	Parameter Studies in Cosmic Propagation
USA Hannah Suzanne	collisions	28/09/2016	Computational Science Lab, University of Amsterdam, The Netherlands	Ernesto Perez Hernandez, Mexico	AGN Light Curves and Period The case of ARP 102B, 3C 3 NGC 5548 & E1821+643
Dalgleish, United Kingdom	Quantitative Spectroscopy of Blue Supergiants in NGC 6822	University of Innsbruck, 13/09/2016	PhD, Astrophysics Research Institute, Liverpool John Moores University, UK	Bastian Severin Niklas	Homogeneous Metallicity Sc. Galactic Classical Cepheids
Kaan Kaplan, Turkey	The Search for Exoplanets in K2 Clusters M35 and NGC 2158	University of Padova, 27/10/2016	n.a	Miika Aleksi Pursiainen, Finland	The shape of relativistically broadened Fe Kalpha line in
Iuliia Mykhailivna Diakiv Ukraine	V,Variability of the broad-line Seyfert galaxy ESO 141-G55	University of Göttingen, 26/09/2016	Opted for a break period in her home country		AGN Population of Gamma-Ray S
	Dwarf Galaxy Evolution in the Massive and Dynamically Active Cluster Abell 3266	University of Innsbruck, 19/09/2016	PhD, Swinburne University of Technology, Melbourne, Australia	Serbia	the Third Fermi LAT Catalogu
Odysse Halim, Indonesia	The Sensitivity of Using Coarse Grid in All- Sky Surveys Data Analysis of Continuous	University of Rome Tor Vergata, 30/09/2016	PhD, Gran Sasso Science Institute, L'Aquila, Italy	Joanna Tamani Ramasawmy, United Kingdom	The Intrinsic Shapes of Dwar Galaxies in the MATLAS Sur
Erik Nikolas Johnson, USA	Gravitational Waves Halpha Variability in CN Leo, an Active M Dwarf	University of Göttingen, 26/09/2016	PhD, Max Planck Institute for Solar System Research (MPS), Göttingen, Germany	Georgina Feroza Sanjana, United Kingdom	Spherical Collapse of Ultra-L Axionic Dark Matter
Yana Igorevna Khusanova, Russian	Adaptation of the LSST Software Stack to the ESO-NTT SOFI Camera and Application to the SOFI Ks-band Dataset of the 02hr Deep	University of Innsbruck & University of	PhD, Laboratoire d'Astrophysique de Marseille, Université d'Aix-Marseille, France	Alan Andrés García López, Guatemala	Analysis of the Balmer Emiss along the Quasar Main Sequ
Federation	Field from the VIMOS-VLT Deep Survey for Data Reduction and Analysis	Belgrade, 27/09/2016	OTHER TIME OF THE TOTAL OF THE	Miriam Gudiño Yáñez, Mexico	The Hubble Constant from Tidelays of Gravitationally Lens
Maksym Lisogorskyi, Ukraine	Stellar magnetic field impact on planet detection	University of Göttingen, 16/09/2016	PhD, University of Hertfordshire, Hatfield, UK		Quasars Teating Medified Crossits society
Abhishek Sanjay Maniyar India	Cosmological parameter estimates from	University of Rome Tor	PhD, Laboratoire d'Astrophysique de Marseille,	Vikram Upadhyay, Nepa	Testing Modified Gravity with Sunyaev Zel'dovich Effect

Edition	5 & 6 – Maste	r theses a	nd Alumni careers
Name & Country of origin	Master Thesis	AstroMundus Graduation	First position after graduation and further positions, when known
Liam Donal O'Sullivan, Ireland	Parameter Studies in Cosmic Ray Propagation	University of Innsbruck, 16/09/2016	PhD, University of Sheffield, Sheffield, UK
Ernesto Perez Hernandez, Mexico	AGN Light Curves and Periodicities: The case of ARP 102B, 3C 390.3, NGC 5548 & E1821+643	University of Göttingen & University of Belgrade, 21/09/2016	PhD, University of Guadalajara, Mexico
Bastian Severin Niklas Proxauf, Austria	Homogeneous Metallicity Scale for Galactic Classical Cepheids	University of Rome Tor Vergata, 30/09/2016	PhD, Max Planck Institute for Solar System Research (MPS), Göttingen, Germany
Miika Aleksi Pursiainen, Finland	The shape of relativistically broadened Fe Kalpha line in type 1 AGN	University of Belgrade, 07/09/2016	PhD, University of Southampton, UK
Nikolina Šarčević, Serbia	Population of Gamma-Ray Sources in the Third Fermi LAT Catalogue	University of Padova, 09/03/2017	PhD, University of Freiburg, Germany
Joanna Tamani Ramasawmy, United Kingdom	The Intrinsic Shapes of Dwarf Galaxies in the MATLAS Survey	University of Innsbruck, 09/09/2016	PhD, University of Hertfordshire, Hatfield, UK
Georgina Feroza Sanjana, United Kingdom	Spherical Collapse of Ultra-Light Axionic Dark Matter	University of Göttingen, 02/09/2016	PhD, University of Kyoto, Japan
Alan Andrés García López, Guatemala	Analysis of the Balmer Emission along the Quasar Main Sequence	University of Padova, 26/10/2017	Continuing research at INAF-Padova until January 2018. He plans a gap year before starting a PhD.
Miriam Gudiño Yáñez, Mexico	The Hubble Constant from Time- delays of Gravitationally Lensed Quasars	University of Belgrade, 18/09/2017	n.a.
Vilana na Il Ina alla casa. Ni acasa	Testing Modified Gravity with the	University of Padova,	Returned to Nepal, where for the coming years he

Vergata, 29/09/2017

27/09/2017



Maniyar, India

Vietnam

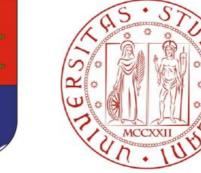
Minh Nhat Nguyen,

SNe Ia and H(z)



Local Random Potentials and Cosmology





27/07/2016

University of Göttingen,



Université d'Aix-Marseille, France

Garching, Germany

PhD, Max Planck Institute for Astrophysics (MPA),





Spheroidal Galaxy

Tadeja Veršic, Slovenia



On the Kinematics of Sculptor Dwarf University of Rome Tor





plans to work on social development projects in

PhD, Kapteyn Astronomical Institute, University of

education and economy building sectors

Groningen, The Netherlands