**Curriculum Vitae – Alessandra Mastrobuono-Battisti**

**PERSONAL INFORMATION**

**Name:** Alessandra Mastrobuono-Battisti

**Address:** GEPI - Observatoire de Paris, Bâtiment 11, 5, Place Jules Janssen, 92195 Meudon (France)

**ORCID:** 0000-0002-2386-9142; **SCOPUS Author ID:** 35174814200

**URL for website:** [www.mpia.de/~mastrobuono](http://www.mpia.de/~mastrobuono), [www.astro.lu.se/alessandra-mastrobuono-battisti](https://www.astro.lu.se/alessandra-mastrobuono-battisti)

**CURRENT AND PAST POSITIONS**

2021 – **Horizon2020 Group Leader,** **MSCA ,** GEPI, Observatoire de Paris (France)

2020 – 2021 **Researcher**, Lund Observatory, Lund (Sweden)

**Maternity leave** (Feb 2020 – Oct 2020)

2015 – 2019 **Independent Research Fellow (MPIA prize fellowship),** Galaxies and Cosmology Department, Max-Planck-Instiut für Astronomie, Heidelberg, Germany

2012 – 2015 **Postdoctoral Fellow (Lady Davis Fellowship),**

Physics Department, Technion-Israel Institute of Technology, Haifa, Israel

**EDUCATION**

2012 **PhD in Astronomy**; Classification: Excellent;

Department of Physics and Astrophysics, Sapienza University of Rome, Italy

Supervisor: Prof. Roberto Capuzzo-Dolcetta

2008 **Master’s Degree in Astronomy and Astrophysics**

Grade: 110/110 summa cum laude;

Department of Physics and Astrophysics, Sapienza University of Rome, Italy

2006 **Bachelor’s Degree in Physics and Astrophysics**

Grade: 110/110 summa cum laude;

Department of Physics and Astrophysics, Sapienza University of Rome, Italy

**FELLOWSHIPS AND GRANTS**

2021 – 2023 PI of **Horizon2020 Individual Funding.** Project title:“THESYS: The build-up and fate of self-gravitating systems in the Universe”, Funding body: **Horizon2020** **MSCA IF,** call for proposals: Marie Curie IF 2020(**Horizon2020** **MSCA plus additional funding to build a group, for a total of about 250.000EUR,** 01-09-2021 to 31-08-2023). Host institution: GEPI, Observatoire de Paris.

2015 – 2019 **MPIA Prize Fellowship**. Project Title: “Globular and nuclear clusters across the Universe.” Funding body: MPIA/Max-Planck-Gesellschaft (**250.000EUR,** 01/10/2015-31/12/2019), call for proposals: MPIA 2015 prize fellowship. Host institution: Galaxy and Cosmology Department, Max-Planck-Institut-für-Astronomie, Heidelberg, Germany.

2012 – 2014 **Lady Davis Fellowship**. Funding body: Lady Davis Fellowship Trust, call for proposals: Lady Davis fellowship 2012 and 2013 (**18000USD**, 01/11/2012-31/10/2014). This fellowship is awarded to the most talented and promising postdoctoral scholars of the Hebrew University and of the Technion based on their CV. Host institution: Technion, Israel.

2012 **HPC-Europa2 grant**, to visit a foreign institution for 8 weeks and 50000 CPU hours and unlimited GPU hours for 3 months, on GENCI/CINES resources. Project Title: “Globular cluster evolution in the Galactic field”, Funding body: **Horizon2020**, call for proposals: **HPC-Europa2 2011** (**3.000EUR**, 20/01/2012-19/03/2022). Host institution: Paris Observatory.

2008 – 2011 **PhD Scholarship**, Sapienza University of Rome, Doctoral School of Astronomy. Project Title: “Globular clusters and galactic nuclei”. Funding body: Italian Ministry of Education, University and Research. Call: 2008 National competition (**50.000EUR**, 01/11/2008-31/10/2011). Host institution: Sapienza University of Rome.

**PRIZES AND AWARDS**

2016 **“Immagine”** prize for the outstanding scientific career, awarded by “Associazione Immagine”, Latina, IT. Annual award for outstanding scientists (10/12/16).

2016 **“Lievito 2016”** prize, awarded by “Associazione Lievito”, Latina, IT. Annual award for outstanding scientists (25/04/16).

2015 **“Latina va in Scena”** prize for the outstanding scientific achievements. Award from Latina County in Italy (28/06/15).

2015 **Formal recognition (in Italian: “Menzione d’onore”)** from the city of Pontinia (25/05/15).

2011 Prize for one of the five best talk abstracts, Cefalù Meeting 2011.

**SUCCESSFUL FUNDING PROPOSALS**

2020 **PI** forthe Marie Curie Standard Individual Fellowship proposal “THESYS: The build-up and fate of self-gravitating systems in the Universe” **(~200,000EUR, Feb. 2020)**.

2017 **Co-PI** for a conference proposal funded by the German Research Foundation (DFG) through the Collaborative Research Centre (SFB 881) “The Milky Way System”, **11,000EUR** granted for the organisation of the successful international conference***“Survival of dense stellar clusters in the Milky Way system”,*** Heidelberg, 19-23 Nov. 2018.

2016 **Co-I** for the DAAD–PPP proposal “Visitors to Our Neighbourhood: Identifying and exploiting accreted star clusters in the Milky Way’s halo”, PI: Ryan Leaman, **30,000EUR**.

2016 **Co-I** for two SFB881 conference-funding proposals for: **i)** the international workshop “The exciting lives of galactic nuclei”, 27/02-03/03/2017, Ringberg Castle and **ii)** the international conference “Piercing the Galactic darkness: Stellar populations in highly extincted regions of the Milky Way”, 16-19/10/2017, Heidelberg (**20,000EUR**).

2016 **PI and Co-I** for several SFB881 funding proposals for MPIA visitors **(~10,000EUR**).

2015 **PI** for an **MPIA Fellowship** proposal to join the Max-Planck-Institute for Astronomy (Heidelberg, Germany) “Galactic Nuclei” group led by N. Neumayer as an independent research fellow (~**250,000EUR**).

2012 **PI** for a **Lady Davies Fellowship** proposal to join the AstroTech group led by H. Perets at the Technion (Israel; **18000USD** to support living expenses).

2011 **PI** for an HPC-Europa2 proposal (see Fellowships and Grants, **3,000EUR**).

**SUCCESSFUL COMPUTING AND OBSERVING TIME PROPOSALS**

2021 **PI** of a SNIC computing proposal, granted resources 120,000 GPU/CPU hours on Swedish supercomputers. Project: “The origin of the Galactic nucleus”.

2020 **Co-I** for the **Hubble Space Telescope proposal Cycle 28** observing proposal “Digging into the mystery of the Galactic globular clusters M22 and NGC1851” (PI: Annalisa Calamida, STScI).

2017 **Co-PI** for a CINECA proposal, granted resources: 200000CPU/GPU hours (for 9 months). Project: “Formation of nuclear clusters through mergers of a realistic population of globular clusters”.

2014 **Co-PI** for a LinkSCEEM/Cy–Tera proposal, granted resources: 12000 GPU hours available for 12 months. Project: “Formation and evolution of dense stellar clusters”.

2014 **Co-I** for a GEMINI proposal, “The Milky Way nuclear star cluster as a benchmark for the structure and build-up of galactic nuclei” (PI: Anja Feldmeier-Krause, ESO).

2011 **Co-I** for a CFHT proposal, “The extended tidal tails of Palomar 14” (PI: Prof. D. Valls-Gabaud, Observatoire de Paris).

**SUPERVISION OF STUDENTS** (6 PhD students, 2 Master students and 1 Bachelor student supervised)

2021 – **Supervisor**: **Master student Lisa Delit** (ELISA Aerospace, France). **Funded through my personal Horizon2020 grant**. Project: “Globular cluster disruption and the link with the Galactic nucleus”, GEPI, Paris. **Supervisor**: **Master student Mariasole Maglione** (Padova University, Italy). Project: “Multiple populations in globular clusters”, GEPI, Paris. **Supervisor**: **PhD student Elena Lacchin**. Project: “Mass loss in Magellanic Clouds Globular Clusters”, GEPI and INAF, Bologna. **Co-supervisor**: **PhD student Giulia Pagnini.** Project: “The early and late evolution of our Galaxy through the lens of globular clusters”. GEPI, Paris.

2017 – 2021 **Supervisor**: **PhD student** **Francisco Aros**. Project: “Intermediate mass black holes in globular clusters”, MPIA, Germany. Graduated in July 2021 (magna cum laude). Two published papers.

**Supervisor:** Bachelor student **Robin Herlan**. Project: “Dark matter density profiles in dwarf galaxies: the case of Sagittarius”, MPIA, Heidelberg, Germany. **Successfully graduated on 19/06/2018**. One submitted paper.

2012 – 2017 PhD student supervision: **Danor Aharon** (Technion, Israel), **Athanasia Tsatsi** (MPIA, Germany) and **Federico Abbate** (Milan University, Italy). This supervision resulted in three publications, one for each student.

**TEACHING EXPERIENCE**

2021 **Lecturer**, 1st year MS, “High-energy Astrophysics”, Lund Observatory (Sweden).

2020 **Lecturer**, 1st year MS, “Stellar Structure and Evolution”, Lund Observatory (Sweden).

2009 – 2010 **Teaching Assistant**, 3rd year BS, *Numerical Methods in Astronomy*, Department of Physics and Astrophysics, Sapienza University of Rome, Italy.

**ORGANISATION OF SCIENTIFIC MEETINGS**

2021 **(1) SOC member** for theconference “Multiple stellar populations in the next decade” (to be held in Padova, Italy, delayed due to the covid outbreak, <https://indico.ict.inaf.it/event/994/>) **(2) SOC member** and **Co-I of the proposal** for the “MPG-Ringberg meeting: Formation and evolution of the Galactic Center”, Ringberg, Germany (delayed due to the covid outbreak).

2019 **SOC member and Co-I of the proposal** for the **EWASS special session** “The dynamics of stellar clusters”, Lyon (24-28/06/2019).

2018 **Principal organiser, chair** **of the SOC and PI of the funding proposal** for the conference “Survival of dense stellar clusters in the Milky Way system”, 85 participants, Heidelberg, Germany (19-23/11/2018).

2017 **(1) SOC member, discussion moderator** and **LOC co-chair** for the meeting: “Piercing the Galactic darkness”, 70 participants, Heidelberg, Germany (16-19/10/2017). **(2) Principal organiser**, **SOC** and **LOC** member for the MPIA Galaxy and Cosmology Department annual retreat, 90 participants, Schöntal, Germany (22-24/05/2017). **(3) SOC member and discussion moderator** for the meeting: “The exciting lives of galactic nuclei”, 40 participants, Ringberg, Germany (27/02-03/03/2017).

2011 **LOC member** for the meeting: “Advances in Computational Astrophysics: methods, tools and outcomes” 2011, 80 participants, Cefalù, Italy (13-17/06/2011).

**INSTITUTIONAL RESPONSIBILITIES**

2021 – **Co-organiser** of the “Paris Observatory Joint Galaxies and Cosmology Seminar”: <https://ggsapi.obspm.fr/seminars/>.

2021 **Referee and committee member** for the examination and evaluation of a **Master’s Thesis** (Sweden). I read and refereed the Thesis as well as been a panel member for the Thesis evaluation during the Thesis defence.

2021 **Referee and committee member** for the examination and evaluation of **a Bachelor’s Thesis** (Sweden, see above for the performed tasks).

2018 – Member of **Gaia DPAC consortium (CU6 group)**.

2017 **Main organiser for one conference** and **SOC** member for **7**. Chair of the LOC for one conference, LOC member for 2 conferences.

2016 – 2021 **Weekly group meetings organiser** and **chair** (Sweden and Germany).

2016 – 2019 Member of several **committees for the selection of future postdocs, PhD students, and internship students**, MPIA, Heidelberg, Germany.

2013 – Referee for **MNRAS, A&A** and **ApJ**.

**PUBLICATION SUMMARY: 1986 citations** (ADS, as of 03/2022)

* *h*-index: 19;
* **40** publications in peer-reviewed, high impact-factor journals:
* **10** as **first author** including: 1 **Nature** paper as first author; **15** as **second or third author**.
* 14 conference proceedings (10 refereed, 8 as first author).

**PUBLIC LECTURES, TALKS AND SEMINARS SUMMARY**

* 7 invited talks at conferences (since 2014);
* 11 public outreach seminars/lectures (including a **TEDx** **talk**, since 2015).
* 20 invited colloquia/seminars at international institutes (since 2012);
* 28 contributed talks at conferences (since 2010).

**PUBLIC LECTURES**

2021Astronomisk Ungdom SpaceResearch School lecture for high school students, Lund, Sweden (27/07)

2019Public lecture on the origin of the Universe and of the solar system, Latina, Italy (26/10)

2019Public talk on the origin of the Moon and of the solar system, Florence, Italy (23/07)

2019 Lectio Magistralis for the 50th Anniversary of Apollo 11 Moon Landing, Latina, Italy (20/07)

2018 **TEDx Castelfranco** **talk**: “Scientific puzzles: the formation of the Moon”, Castelfranco Veneto, IT (06/10).

2016 Invited public lecture for high school students in Latina, IT (25/04).

2016 Invited public lecture for University students and staff in Latina, IT (26/04).

2015 Invited public lecture at the Italian cultural centre in Haifa, IL (29/06).

2015 City Hall lecture for the Mayor and City Council, Pontinia, IT (25/05).

2015 Invited public lecture for secondary school students, Pontinia, IT (25/05).

2015 Invited public lecture at the Italian cultural centre in Tel Aviv, IL (04/04).

**INVITED CONFERENCE TALKS** (7 talks)

2022 “The Puzzles of the Galactic Centre”, Heidelberg, Germany, 5-7/09. Invited review talk on the open questions on the formation of nuclear star clusters. The talk will be followed by a discussion that I will lead.

2020 “Uncovering the Physics of Formation of Globular Clusters and their Host Galaxies”, KITP, Santa Barbara, US, 11-14/05/2019, postponed due to the Covid19 outbreak. Invited talk: “The dynamics of merging globular clusters”.

2018 “Multiple populations in Globular clusters”, Sexten, Italy, 09-13/07. Invited talk: “On the merger origin of metallicity spreads in globular clusters”.

2018 MPIA Galaxy and Cosmology Retreat 2018, Lobbach, Germany, 14-16/05. Invited talk: “The chemo-dynamical evolution of the Solar System”.

2017 Cefalù meeting 2017, “The amazing life of stars”, Cefalù, Italy, 04-08/09. Invited review talk: “The formation and evolution of Nuclear star clusters”.

2014 The Alajar meeting 2014, “Growth and evolution of the Milky Way’s nuclear star cluster and its central black hole”, Alajar, Spain, 20-28/09. Invited talk: “The formation and evolution of Nuclear star clusters”.

2014 Sexten CfA 2014, “Stellar *N*-body Dynamics”, Sexten, Italy, 08-12/09. Invited talk: “The formation and evolution of Nuclear star clusters”.

**INVITED SEMINARS/COLLOQUIA** (20 seminars in several international institutes)

06/05/2021 “Merging globular clusters in an evolving galaxy”, Observatoire de Paris, FR

22/05/2020 “Stellar cluster mergers and star formation in galactic nuclei”, University of Zurich, CH

21/11/2019 “Globular cluster mergers and star formation at the Galactic Centre”, INAF Bologna, IT

14/11/2019 “Merging globular clusters in an evolving galaxy”, Lund Observatory, SW

05/03/2019 “The hidden link between globular and nuclear clusters”, Nice Observatory, FR

03/05/2018 “Globular cluster evolution in the Galaxy: inspirals and mergers”, Padova Uni., IT

03/02/2018 “Mergers of globular clusters: the origin of metallicity spreads”, Strasbourg Obs., FR

12/01/2017 “A primordial origin for the composition similarity between the Earth and the Moon”, University of Milano-Bicocca, IT

12/01/2017 “The mass assembly history of Nuclear Star Clusters”, Uni. of Milano-Bicocca, IT

21/10/2016 “The mass assembly history of Nuclear Star Clusters”, GEPI-Obs. de Paris, FR

27/04/2016 “Evolution of second population stellar disks in Globular Clusters and Nuclear Star Clusters”, INAF, Osservatorio Astronomico di Roma, IT

26/02/2016 “Simulating the mass assembly history of Nuclear star clusters: what we learn from the Milky Way center”, MPIA colloquium, Heidelberg, DE

21/01/2016 “Evolution of second-generation stars in stellar disks of globular and nuclear clusters”, Galaxy Coffee, MPIA, Heidelberg, DE

11/02/2015 “Dynamical evolution of dense stellar systems”, MPIA Colloquium, Heidelberg, DE

11/02/2015 “A primordial origin for the composition similarity between the Earth and the Moon”, Planet and Star Formation weekly seminar, MPIA, Heidelberg, DE

16/10/2013 “Dynamical evolution of stellar systems: Globular Clusters and Galactic Nuclei”, Technion-Israel Institute of Technology, IL

23/07/2012 “Dynamical evolution of stellar systems: Globular Clusters and their clumpy tidal tails”, Centre for Astronomy & Particle Theory, University of Nottingham, UK

22/06/2012 “Dynamical evolution of stellar systems: Globular Clusters and their clumpy tidal tails”, ITC-Harvard, Smithsonian Center for Astrophysics, US

21/06/2012 “Globular Clusters and Galactic Nuclei”, ITC-Harvard, CfA US

05/03/2012 “Globular Clusters and Galactic Nuclei”, GEPI-Observatoire de Paris, FR

**CONTRIBUTED CONFERENCE TALKS** (28 talks)

2021 Online Workshop on the Galactic Centre and Inner Galaxy, Heidelberg, Germany, “Star formation at the Galactic Centre: coevolution of multiple young stellar discs” (10-12/02)

2020 Compact Objects for All, Lund Observatory, Sweden, “Supermassive and intermediate-mass black holes in nuclear star clusters” (9-11/02).

2019 EWASS 2019, Lyon, France. Talk: “Unveiling the build-up history of galactic nuclei: models and observations in the era of ELTs” and “The dynamical origin of metallicity spreads in globular clusters” (24-28/06).

2019 EWASS 2019, Lyon, France. Talk: “The dynamical origin of metallicity spreads in globular clusters” (24-28/06/2019).

2019 “IAU Symposium 351 and MODEST 2019: Star Clusters: from the Milky Way to the Early Universe”, Bologna, Italy. Talk: “The amazing life of a globular cluster: tidal interactions and mergers in the Galactic disc and nuclear star cluster” (27-31/05).

2018 “Survival of dense stellar systems in the Milky Way system”, Heidelberg, Germany. Talk: “Surviving till the end: the link between globular and nuclear star clusters” (19-23/11).

2018 “SFB star clusters meeting”, Heidelberg, Germany. Talk: “On the origin of multiple populations and metallicity spreads in Galactic globular clusters” (15-17/08).

2018 “Marcel Grossmann 14, session GW8”, Rome, Italy. Talk: “The assembly history of nuclear star clusters: black holes and pulsars” (02-07/07).

2018 “Marcel Grossmann 14, session BH2”, Rome, Italy. Talk: “The assembly history of nuclear star clusters: supermassive, intermediate mass and stellar black-holes” (02-07/07).

2017 “Piercing the Galactic darkness”, Heidelberg, Germany. Talk: “The build-up of the Milky Way's Nuclear Star Cluster” (16-19/10).

2017MODEST17, Prague, Czech. Talk: “The build-up of nuclear star clusters: simulations and observations” (18-22/09).

2017SF2A 2017, “Chemical and dynamical modelling of Milky Way type galaxies”, Paris, France. Talk “The mass assembly history of the Milky Way Nuclear Star Cluster” (04-07/07).

2017 SF2A 2017, “Models and interpretation of stellar populations”, Paris, France. Talk “Constraining the origin of multiple stellar populations in globular clusters with *N*-body simulations” (04-07/07).

2016 631.Wilhelm und Else Heraeus–Seminar: “Stellar aggregates over mass and spatial scales”. Talk: “Simulating the mass assembly history of Nuclear Star Clusters: the imprints of cluster inspirals” (05-09/12).

2016 “Star Clusters: From Infancy to Teenagehood”, Heidelberg, Germany. Talk: “Multiple Stellar Populations in GCs: Constraining their origin using *N*-body simulations” (08-12/08).

2016 EWASS 2016, session SS8, Athens, Greece. Talk: “Second-generation stellar disks in globular clusters” (04-08/07).

2016 MODEST16, “Star Clusters as Cosmic Laboratories”, Bologna, Italy. Talk: “Simulating the mass assembly history of NSCs through Globular Cluster mergers” (18-22/04).

2015 Harvey–prize Workshop, Technion, Israel. Talk: “The formation and evolution of NSCs” (27/04).

2014 IAU Symposium #312, “Star Clusters and Black Holes in Galaxies across cosmic time”, Beijing, China. Talk: “The formation and evolution of Nuclear Star Clusters” (19-25/08).

2014 Cefalù Meeting 2014, “The Unquiet Universe”, Cefalù, Italy. Talk: “The formation and evolution of Nuclear star clusters: the role of Intermediate Mass Black Holes” (02-07/06).

2014 MODEST14, “Dense stellar systems from infant to old”, Bad Honnef, Germany. Talk: “Evolution of second-generation stars in stellar disks of globular and nuclear clusters” (02-06/06).

2013 GC2013, “The Galactic Center Black Hole Laboratory”, Granada, Spain. Talk: “The Galactic Center: the nuclear star cluster formation and evolution” (19-21/11).

2013 Gravasco Workshop, “Dynamics and kinetic theory of self–gravitating systems”, Paris, France. Talk: “Evolution of second-generation stars in stellar disks of globular and nuclear clusters: ωCentauri as a test case” (04-08/11).

2013 Italian–Israeli Conference on High Energy Astrophysics, Akko, Israel. Talk: “Dynamics in NSCs and their relevance to tidal disruption and gravitational wave events” (13-14/10).

2012 Israel Physics Society Conference, Jerusalem, Israel. Talk: “Clumpy streams in a smooth dark matter halo: the case of Palomar 5” (09/12).

2011 Cefalù meeting 2011, Italy. Talk: “The formation of the Milky Way's NSC” (13-17/06).

2010 NVIDIA GPU Technology Conference, San Jose (CA), US. Talk: “Gravitational *N*-body Simulations: How Massive Black Holes Interact with Stellar Systems” (20-23/09).

2009 E4 Computing Workshop 2010, Bologna (Italy). Talk: “A high precision code to simulate *N*-body systems on hybrid machines: quality and performance benchmarking” (17-19/09).

**SELECTED PRESS COVERAGE** (among more than 50 press articles, TV and radio interviews)

This is a partial list of the press releases concerning my work. They include interviews with journal, radio and television.

1. **List of citing articles (Nature):**

<https://www.nature.com/articles/nature14333/metrics>

1. **National Geographic:** <https://news.nationalgeographic.com/2015/04/150408-moon-form-giant-impact-earth/>
2. **Discovery Channel (Seeker):** <http://www.seeker.com/collision-with-earths-little-sister-created-the-moon-1769710041.html>
3. **Science:** <http://www.sciencemag.org/news/2015/04/how-did-moon-really-form>
4. Ranked **#47 among the top 100 science stories of 2015** on Discovery magazine: <http://discovermagazine.com/2016/janfeb/47-the-moons-violent-birth>
5. **BBC:** <http://www.bbc.com/news/science-environment-32219494>
6. **NBC:** <http://www.nbcnews.com/science/space/how-did-moon-form-violent-cosmiccrash-theorygets-boost-n338026>
7. **Los Angeles Times**: <http://www.latimes.com/science/sciencenow/la-sci-sn-moon-earth-similarity-explained-20150408-story.html>
8. **Le Huffington Post:** <http://www.huffingtonpost.fr/2015/04/11/naissance-lune-collision-terresoeurjumelle_n_7045672.html>
9. **Der Spiegel:** <http://www.tagesspiegel.de/wissen/entstehung-des-erdtrabanten-der-mond-gingaus-einem-crash-hervor/11609460.html>
10. **El Pais:** <http://elpais.com/elpais/2015/04/08/ciencia/1428495111_666688.html>
11. **Le Scienze (Italian version of Scientific American):** <http://www.lescienze.it/news/2015/04/09/news/impatto_terra_formazione_luna_composizione-2559065/>
12. **Il Corriere della Sera:**

<http://www.corriere.it/scienze/15_aprile_13/astrofisica-italiana-che-svela-nascita-luna-bb5f89d4-e1aa-11e4-b4cd-295084952869.shtml>

1. **Technion press release:** <http://www.technion.ac.il/en/2015/04/the-origins-of-the-moon/>
2. **Swiss Television interview:** <https://www.tvsvizzera.it/tvs/-in-italia-avrei-dovuto-lavorare-gratis-/42676374>
3. **Radio24, Giovani Talenti interview:** <https://sergionava.blogradio24.ilsole24ore.com/2015/11/28/una-astrofisica-in-germania/>
4. **GEPI press release on Palomar 5 tital tails:** <http://gepi.obspm.fr/actualites/article/courants-stellaires-dans-le-halo?lang=en>
5. **Contribution to book chapters on outstanding women in science and technology:**

* <https://store.corriere.it/Il-senso-delle-donne-per-la-scienza/PwOsEWcWj5wAAAFOFcg29Ngg/pc?CatalogCategoryID=80OsEWcW3TUAAAFGGghgVTcr>
* [https://www.libreriauniversitaria.it/chiedimi-luna-savaglio-sandra mondadori/libro/9788804668947](https://www.libreriauniversitaria.it/chiedimi-luna-savaglio-sandra%20mondadori/libro/9788804668947)
* <https://www.donnamoderna.com/news/speciali/donne-come-noi/donne-come-noi-il-libro>

**COMPUTER SKILLS**

Linux, Mac OS X, Windows

C, C++, CUDA C, OpenMP, awk, Bash scripting, Fortran, Python, LaTeX, Gnuplot, Office Package, Matlab, Mathematica, Topcat

**LANGUAGES**

**Italian** Native Speaker

**English** Fluent reading, writing and speaking

**German** Basic knowledge

**French** Basic knowled

**REFERENCES**

**Dr. Paola Di Matteo**

Associate astronomer

GEPI - Batiment 11, Hipparque

Observatoire de Paris - Section de Meudon

5, Place Jules Janssen 92195 Meudon (FR)

**Tel:** +33-(0)1-4507-7867

**E-mail:** [paola.dimatteo@obspm.fr](mailto:paola.dimatteo@obspm.fr)

**Prof. Hagai Perets**

Deloro Fellow, Associate Professor

Physics Department

Technion - Israel Institute of Technology

Haifa, Israel 32000

**Personal homepage:** <http://physics.technion.ac.il/~hperets/index.html>

**Tel:** +972-(0)77-8871954

**E-mail:** [hperets@ph.technion.ac.il](mailto:hperets@ph.technion.ac.il)

**Dr. Ross P. Church**

Senior Lecturer

Department of Astronomy and Theoretical Physics

Lund Observatory, Box 43

22100, Lund, Sweden

**Personal homepage:** <https://www.astro.lu.se/~ross>

**Tel:** +46-(0)46-222-16-09

**E-mail:** [ross@astro.lu.se](mailto:ross@astro.lu.se)

**Dr. Nadine Neumayer**

Faculty member - Galactic Nuclei Group Leader

Max Planck Institute for Astronomy

Königstuhl 17, D-69117 Heidelberg (DE)

**Personal homepage:** <http://www.mpia.de/homes/neumayer/>

**Tel:** +49-(0)6221-528-446

**E-mail:** [neumayer@mpia.de](mailto:neumayer@mpia.de)