



Europass
Curriculum Vitae

Personal information

First name(s) / Surname(s) Isar/ Paula Gina
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 Nationality Romanian
 Date of birth 24 January 1981
 Gender Female

Occupational field Scientific Research

Work experience

Dates	2003 – present
Occupation or position held	Physicist
Main activities and responsibilities	Scientific Research grade II – since 2014
Name and address of employer	Institute of Space Science - ISS Atomistilor 409, 077125 Magurele (Romania)
Type of business or sector	Research
Dates	2004 - 2005
Occupation or position held	Master Student
Main activities and responsibilities	ERASMUS/Socrates awarded Master studies/research stage
Name and address of employer	Max-Planck Institute of Radioastronomy Auf dem Hügel 69, 53121 Bonn (Germany)
Type of business or sector	Research
Dates	2005 - 2006
Occupation or position held	Physicist
Main activities and responsibilities	IMPRoS awarded Research stage
Name and address of employer	Max-Planck Institute of Physics Föhringer Ring 6, 80805 Munich (Germany)

Type of business or sector	Research
Dates	2008 (May-August)
Occupation or position held	DAAD-RISE Project Leader
Main activities and responsibilities	Project proposal, candidate selection, Mentor
Name and address of employer	http://code.google.com/p/lopes-eventbrowser Karlsruhe Institute of Technology (KIT), Germany P.O. Box 3640, 76021 Karlsruhe (Germany)
Type of business or sector	Research & Education
Dates	2006 - 2010
Occupation or position held	PhD Student
Main activities and responsibilities	DAAD-Helmholtz awarded Doctoral studies on Astroparticle Physics and High Energy Physics
Name and address of employer	Karlsruhe Institute of Technology (KIT) P.O. Box 3640, 76021 Karlsruhe (Germany)
Type of business or sector	Elite University
Dates	2010 (May-June)
Occupation or position held	Post-Doc fellow
Main Activities and Responsibilities	GraduiertenKolleg fur Hochenergiephysik un Teilchenastrophysik
Main address of employer	Karlsruhe Institute of Technology (KIT) P.O. Box 3640, 76021 Karlsruhe (Germany)
Type of business or sector	Elite University
Dates	2011 - 2013
Occupation or position held	Post-Doc
Main activities and responsibilities	Director of a Postdoctoral project financed by the Ministry of Romania/UEFISCDI
Name and address of employer	Institute of Space Science Atomistilor 409, 077125 Magurele (Romania)
Type of business or sector	Research

Education and training

Dates	1994 - 1999
Title of qualification awarded	Economist
Principal subjects / occupational skills covered	Economics, Finance, Marketing, etc.
Name and type of organisation providing education and training	Economics and Administrative High School (Education) Rosiori de Vede, Teleroman (Romania)
Level in national or international classification	High
Dates	1999 - 2003
Title of qualification awarded	Physicist
Principal subjects / occupational skills covered	Physics, Astronomy/Astrophysics, Nuclear Physics, Pedagogy
Name and type of organisation providing education and training	University of Bucharest (Academics) Bucharest (Romania)
Level in national or international classification	High

Dates	2003 - 2005
Title of qualification awarded	Master in Physics
Principal subjects / occupational skills covered	Astronomy and Astrophysics
Name and type of organisation providing education and training	University of Bucharest/Romania and University of Bonn/Germany (Erasmus-Socrates Program)
Level in national or international classification	High
Dates	April 30, 2010
Title of qualification awarded	Dr.rer.nat., PhD in Physics
Principal subject / occupational skills covered	Astroparticle Physics and High Energy Physics
Name and type of organization providing education and training	KIT-Karlsruhe Institute of Technology – KIT, Germany
Level in national or international classification	High/Professional
Dates	2010 →
Title of qualification awarded	Project manager, certified by the Romanian Ministry
Principal subjects / occupational skills covered	Project Management
Name and type of organisation providing education and training	Bucharest (Romania)
Level in national or international classification	Professional
Dates	2012 →
Title of qualification awarded	Reporter, certified by the Romanian Ministry
Principal subjects / occupational skills covered	Mass-media production, public speaking, outreach
Name and type of organisation providing education and training	Intact Media Academy Bucharest (Romania)
Level in national or international classification	Professional
Dates	2012 →
Title of qualification awarded	Science Communicator
Principal subjects / occupational skills covered	Public speaking, communicating science
Name and type of organisation providing education and training	British Council and BBC Bucharest (Romania)
Level in national or international classification	Professional

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment
European level (*)

English

German

French

Spanish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B2	Independent user	B2	Independent user	A2	Basic User	A2	Basic User	A2	Basic User
B2	Independent user	B2	Independent user	A2	Basic User	A2	Basic User	A2	Basic User
B2	Independent user	B2	Independent user	A2	Basic User	A2	Basic User	A2	Basic User

(*) Common European Framework of Reference (CEF) level

Social skills and competences Networking, effective negotiation, good communication, emotional intelligence

Organisational skills and competences Project Management, scientific communication, multimedia production, public speaking, tutoring - education

Technical skills and competences Problem solving, team leading, mentoring, management, reaching deadlines, scientific investigations, critical thinking, analysis and synthesis

Computer skills and competences Advanced Professional use of computers: Programming (Fortran, C/C++, ROOT, PAW, CORSIKA); Word and Video Editing (Microsoft Office, Open office, Latex, Adobe, MAC Apple Office, Final Cut Pro, Microsoft Project Management Professional); Designing (webpage, presentations, multimedia, video recording and editing)

Artistic skills and competences Artistic skills and competencies in talking science, multimedia productions (TV reportage e.g. Antena 1 Observator, DIGI 24), scientific communication in Magazines (Stiinta si Tehnica), scientific talking show (Radio Bucuresti FM, Radio Romania Cultural, FameLab), Internet and Press Releases, etc.), organizing outreach events (Carpathian Summer Schools of Physics 2012, World Space Week, Scoala Altfel, FameLab, Noaptea Cercetatorilor), public talks at FameLab, AstroFest, SCI+FI Fest and Bucharest Science Festival etc.

Other skills and competences Hiking, Jogging, Swimming, Traveling, Lecturing, Cooking

Driving licence(s) B

Additional information **Memberships**

Member in the LOPES (LOFAR Prototype Station) and KASCADE-Grande (Karlsruhe Shower Core and Array Detector) collaborations at KIT/Germany, since 2006; Associate member and Institutional Representative (ISS) in the world largest cosmic ray experiment Pierre Auger Observatory/Argentina, since 2012; Full member of Auger Collaboration since 2014; Institutional Member (ISS) in ChETEC COST project since 2017.

Conference (co-)organizer

1. Carpathian Summer Schools of Physics 2012, Sinaia, Romania, 2012: Co-organizer, Co-Editor (Livius Trache and **Paula Gina Isar**) of AIP Conference Proceedings, <<http://cyclotron.tamu.edu/cssp12>>
2. FameLab, International talking science show: co-organizer in 2013, <http://www2.space-science.ro/?page_id=1397>
3. TEDxCERN@IFIN-HH: co-organizer in 2013, <<http://events.theory.nipne.ro/tedxcerninbucharest>>
4. World Space Week, co-organizer in 2010/ 2011/ 2013, <www.PrinUnivers.ro>
5. “Scoala Altfel” at Institute of Space Science, co-organizer in 2013, organizer since 2016 <<http://www2.space-science.ro/wp-content/uploads/2012/01/PGIsar-SaptamanaScoalaAltfel-ISS1.pdf>>
6. European Space Expo, Craiova, Romania, associate partner, 19-27 April, 2014
7. Workshop “Romanian projects and initiatives in support of ESA’s Earth Observation Envelope Programme”, Nov. 3th, 2015
8. Multidisciplinary gymnasium group of Teachers visit, Magurele Scientific platform, 16th May 2017, <http://www2.space-science.ro/?p=5327>
9. Workshop “Communicating science to others” ISS-Magurele, Sept. 6th, 2018
10. Workshop “Communicating science to others” UAIC-Iasi, Nov. 16th 2018
11. Consultative meetings within First LEGO League Romania at ISS, Dec. 2018, Feb. 2019
12. Workshop/Physics Teachers visit of study, 28th March, 2019, ISS, Bucharest-Magurele
13. Workshop/Physics Teachers visit of study, 19th March, 2020, ISS, Bucharest-Magurele
14. Workshop/Physics Teachers visit of study, 19th May, 2023, ISS, Bucharest-Magurele
15. Auger International MasterClass, 18th March, 2023, ISS, Bucharest-Magurele
16. Auger International MasterClass, 16th March, 2024, ISS, Bucharest-Magurele

Awards/Grants

Erasmus/Socrates, Germany, 2004-2005
UNESCO, Carpathian Summer School of Physics, Romania, 2005
DAAD-Helmholtz, Germany, 2006-2010
DAAD-Rise, Germany, 2008
In the final FameLab, British Council & Cheltenham Festivals, Romania 2012
In the final UNESCO-L’OREAL “For Women in Science”, Romania, 2015

Projects

Postdoctoral Project/PN-II-RU-PD-2011-3-0062, 2011-2013, Director
Partner Project/PN-II-PT-PCCA-2011-3.1-1307, 2012-2015, Responsible
Partner Project/C2-CDI-STAR-2013-333, 2013-2015, Director
Project/PN-III-P2-2.1-PED-2016-0339, 2017-2018, Director
Partner Project/ COST Action - CA16117, 2017-2021, Responsible
Partner Project/H2020-MSCA-NIGHT-2018-818795-HSciRO, 2018-2019, Responsible
Partner Project/PN-III-P1-1.2-PCCDI-2017-0839, 2018-2021, Responsible
Partner Project/H2020-MSCA-NIGHT-2020-954638-DoReMi-RO, 2020, Responsible
Project/PN-III-P1-1.1-TE-2021-0924, 2022-2024, Director

Training

Project management and good communication, KIT – Karlsruhe, Germany, 2008
Project manager, Bucharest, Romania, 2010
Reporter, Intact Media Academy, Bucharest, Romania, 2011-2012
MasterClass in Public Speaking by BBC and British Council, Bucharest, 2012
Mentoring within Pierre Auger Observatory, since 2012
ECSS – European Cooperation Space Standardization by ESA and ROSA, Bucharest, 2015
TechMentor at the Gifted School Center in Bucharest, Romania, 2015
Mentoring within ChETEC, 2017-2021
First Aid Course&Training, ISS, Romania, 2019

Remote shifts with the Pierre Auger Observatory, ISS, Romania, 2019 – ongoing

Tutoring

2007-2010: Tutoring at University of Karlsruhe (Optics, Electrodynamics, Nuclear Physics)

2008: Leading a DAAD-RISE project at KIT: <https://github.com/xinluh/lopes-eventbrowser>

2010: Seminars at Physics Department/ University of Bucharest

2012 - : Mentor of Diploma, Master and Ph.D thesis (University of Bucharest (Physics), University Politehnica of Bucharest (Computer Science))

2014 -: Summer student project for practical work in physics and computing

2015: Co-Tutor at Center of Gifted School Education in the TechMentor Program, Bucharest

2017 - : Mentor of practical work in partnership with academia (Uni Politehnica Bucharest, Uni Bucharest) e.g. <https://easbrowser.wordpress.com/>

2018-2019: Co-author of “Perspectrum: an audio-visual installation”, <https://youtu.be/zsW8RcdGcWQ>, realized in frame of the FUZION project “Artistic residences in research institutes”, C. Cretu, G. Isar, M. Zamfirescu, Science & Technique magazine, Ed. October 2019, Tehnologii informatice și de comunicații în domeniul muzical 2 (2019) 65-71

2021: Co-Author of “Archeology of the invisible — echoes from the distant universe”, realized in frame of the Fusion:Air project “Artistic residences in research institutes”, <https://qolony.eu/en/news/fusion2021expo-/>, <https://www.ciuclea.ro/invisible.html>.

2023 - : Mentor at Auger International MasterClass (high schools students), ISS, Romania

In the media

2011(Sept.29): On air at radio Bucuresti FM, “Intalniri capitale” cu A. Dorobantu;

2012 (Jan.20): Reportage, Observator A1 TV, “Cercetatori romani de top”;

2012 (May.28): In the Final FameLab 2012, Bucharest, transmitted by TVR;

2013 (Feb.15): Press Release <<http://www2.spacescience.ro/?p=1377>>, published by Jurnalul National, Realitatea TV, etc.

2013(Feb15): “Romanii, intre savantii de elita” (Reportaje, Observator – A1 TV);

2013 (May 12): “Cautand varsta universului” (Reportaje, DIGI 24 – Din interior);

2013 (28 May): Radio Romania Cultural, “Stiinta la ea acasa cu Mihaela Ghita”, 45 minutes talking science show about “Primavara Stiintei pe Platforma Magurele”;

2013 (June 4): Radio Romania Cultural, “Stiinta in Cuvinte potrivite” with Corina Negrea “Stiinta la ea acasa” with Mihaela Ghita, 45 min talking science about “Cosmic Radiation and the Pierre Auger Observatory”;

2013 (July): Newsmagazine ”Stiinta si Tehnica“, nr 27, July-August edition, article about „Pierre Auger Observatory - The world largest cosmic ray detector“;

2013 (Sept.27): Video release, AERA phase II installation campaign <<http://youtu.be/EJkDXc1wuw>>;

2013 (Nov.5): Radio Romania Cultural, “Univers Stiintific” cu Mihaela Ghita, 50 min. talking science show about “Career in scientific research”

2014 (Feb. 25): Radio Romania Cultural, “Univers Stiintific” with Mihaela Ghita, 50 min. talking science show “What is communicating the Universe through cosmic messengers”

2014 (Jun. 3): Radio Romania Cultural, “Univers Stiintific” with Mihaela Ghita, 50 min. talking science show about “Atmosphere in the telescope's objective”

2015 (March 23): Video release, Central Raman Laser Facility (CRLF) at the Pierre Auger Observatory < <https://youtu.be/xcuZ239zHYs>>

2015 (Oct. 2): Radio Romania Cultural, “Ce ne spun stiintele despre schimbarile climatice” cu Corina Negrea et al., in frame of the Bucharest Science Festival.

2016 (Feb.): Newsmagazine ”Stiinta si Tehnica“, nr 53, February edition 2019

2016 (March): Radio Romania Cultural, “Cafeneaua de stiinta” with Corina Negrea, 2h interdisciplinary talking science show “Women in Science”

2016 (July): Radio Guerrilla, “Sound of Science” with Petru Startulat and Florin Badea

2017 (Jan): Radio Romania Cultural, “Cafeneaua de Stiinta” Hawking’s books and biography with Corina Negrea, Humanitas Library, Bucharest

2017 (Feb): Radio Romania Cultural, Storymania – “De la Luneta lui Galileo Galilei la telescoapele virtuale de azi”, with Corina Negrea

2018/2019: Member of the FUSION projects where arts meets with science

2018 (Sept): Radio Romania Cultural, “Crossover” with Maria Balabasu and Catalin Cretu

2018 (Sept): Hall of FameLab by British Council Romania, European Researchers Night, Promenada Mall, Bucharest

2018 (Nov): European Space Talks “Odiseea Spatiala Romaneasca”, Carturesti-Verona Library, Bucharest

2019 (Feb): Interview in newsmagazines Scena9 and Marketwatch

2019 - : Radio Romania Cultural, “Stiinta 360” with Corina Negrea
2019 (Mar): Radio Romania Actualitati, “Serviciul de noapte” with Maria Toghina
2020 (Feb): Radio Guerrilla, “Probleme la Mansarda” with M. Micleausanu, N. Cocarlea
2020 (Feb): Radio Romania Cultural, “La Matinal” with Andra Petrariu
2020 (Nov): Radio Romania Cultural, “Stiinta 360” with Corina Negrea, “Dimesiunea sti-intifica a artei” cu Mihaela Ghita, Catalin Cretu si Lucian Muntean
2020 (Nov): Radio France International, “Zebra” with Mihaela Dedeologu and L. Muntean.
2021 (Feb): Interview accorded to France Embassy in Romania
2021 (Mar, Jul): Radio Romania Cultural, “Dimesiunea Stiintifica a Artei” with Mihaela Ghita, and Ciprian Ciuclea
2021 (May): Invited talk at Astroclub Bucharest
2021 (Jun): Interview accorded to TVR1, from FUZION-II expo.
2022 (Nov): Invited talk at the ASTRO ALL STARS event (Astronomy course), organized by Expertise Factory.
2023 (Apr): Interview in MarketWatch, “Aportul cercetării romanești la cel mai mare exper-iment international de studiere a radiatiei cosmice”
2023 (May): Public talk at Astrofest “Particule mesagere ale spațiului cosmic”, Bucharest

Publications

ISI Web of Knowledge: over 100 scientific articles in total as first and co-author with LOPES, KASCADE-Grande and Pierre Auger Collaborations; h-index 37.