

Question

Your Answer

Motivation

1. Please describe the role of the following aspects in your decision to choose a stay in Germany sponsored by the Humboldt Foundation.

Please use the slider on the scale from 0=not important at all to 10=extremely important.

1.1 Advancing my professional career	10
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1.2 Interest in a stay in Germany	7
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1.3 The excellent reputation of Humboldt Foundation sponsorship	8
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1.4 Opportunities to expand my contacts and to participate in the international Humboldt network	7
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1.5 Enhancing my academic qualifications	7
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1.6 The excellent academic reputation of my host	9
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1.7 The excellent reputation of Germany as a research location	8
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1.8 The lack of opportunities to develop my academic career in my home country	10
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1.9 Other motives, specifically:	No answer
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Contacts

2. Based on the following aspects, please describe your contact with the individuals mentioned before and during your stay.

Please use the slider on the scale from 0=there was no contact to 10=contact was very intensive.

Before your stay

2.1 With the academic host	10
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2.2 With other academics at your host institution	7
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2.3 With other academics in Germany (outside the host	8
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institution)

During your stay

2.4 With the academic host 10

2.5 With other academics at your host institution 8

2.6 With other academics in Germany (outside the host institution) 7

3. During your stay, did you make new contacts with other academics that you expect to last for some time (several years)?

3.1 Number of academics Number 6

3.2 Of which Humboldtians Number 1

4. In your opinion, how will the contacts you made with academics during your stay benefit your further career? 8

Please use the slider on the scale from 0=will not benefit me at all to 10=will benefit me greatly.

Collaboration potential

5. Will you collaborate academically (joint publications, research projects) with your host in the future? 10

Please use the slider on the scale from 0=no, under no circumstances to 10=yes, definitely.

6. Have you already agreed to continue collaborating? Yes, as follows: joint student supervision, research visits, common research project

Communication

7. What knowledge of German did you have prior to your stay in Germany? 7

Please use the slider on the scale from 0=very poor to 10=very good.

8. Did you take part in a German course (in Germany) financed by the Humboldt Foundation? Yes

9. How would you rate this language course? 10

Please use the slider on the scale from 0=very poor to 10=very good.

10. How would you describe your knowledge of German at the moment/at the end of your stay in Germany? 8

Please use the slider on the scale from 0=very poor to

10=very good.

11. Which language did you mainly use at your host institution?	English
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12. Overall, how easy was it for you to communicate during your stay?

Please use the slider on the scale from 0=very difficult to 10=very easy/no problems.

At your host institution

12.1 German	9
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12.2 English	10
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Outside your host institution (everyday life)

12.3 German	9
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12.4 English	8
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13. How often will you be able to use your German skills in the future?

Please use the slider on the scale from 0=not at all to 10=very frequently.

13.1 In a professional context	I don't know yet
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13.2 In private life	10
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Project

14. Before your stay, had you already collaborated with your host?	No, there had been no collaboration between me/my home institution and the host institution.
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15. Please state to what degree the following statements apply to your research project.

Please use the slider on the scale from 0=does not apply at all to 10=applies completely.

15.1 Before I started my stay at the host institution, my project had been properly discussed and coordinated with my host.	6
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15.2 Whilst conducting my project, significant changes had to be made to the original project plan.	7
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15.3 Whilst conducting my project, I was able to work closely with academics at my host institution.	8
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15.4 The project made an important contribution to developing and enhancing my personal research focus.	10
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16. Have you completed your research project?	Yes, the research project has been
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completed.

Working conditions

17. With regard to the following aspects, how would you rate the working and research conditions at your host institution?

Please use the slider on the scale from 0=very poor to 10=very good.

17.1 Work facilities/workplace environment	8
17.2 PC and IT infrastructure	10
17.3 Access to knowledge resources (databases, literature, other sources)	9
17.4 Administrative support (e.g. from the office or assistants)	9
17.5 Scientific equipment and facilities	10

Involvement and integration

18. How easy did you find it to establish social contacts with your colleagues at the host institution (e.g. private conversations, invitations, joint activities outside the work context)?

Please use the slider on the scale from 0=very difficult to 10=very easy/without problems.

19. Overall, how satisfied were you with your degree of social integration outside the work context (e.g. private invitations, joint activities, sports, cultural events) during your stay?

Please use the slider on the scale from 0=not satisfied at all to 10=very satisfied.

20. With regard to the following aspects, how would you rate your stay at the host institution?

Please use the slider on the scale from 0=very poor to 10=very good.

20.1 Information sharing, collaboration with and support from my host	10
20.2 Working atmosphere	10
20.3 Information sharing, collaboration with and support from other academics at the host institution	8
20.4 Opportunities to establish contacts with excellent academics, including those outside the host institution	6
20.5 Opportunities to introduce my own ideas and research topics at my host institution	10

20.6 Opportunities to present myself and my research work at my host institution	10
20.7 Overall social integration at the host institution	9
21. To what extent were you involved in the following activities during your stay in Germany?	
<i>Please use the slider on the scale from 0=not at all to 10=very frequently.</i>	
21.1 Conducting my own academic work	10
21.2 Participating in the academic work of my host or host institution	10
21.3 Participating in research project proposals at the host institution	7
21.4 Holding lectures and seminars	10
21.5 Supervising doctoral and diploma candidates	6
21.6 Participating in academic events	6

Publications and further results

22. In which of the following areas did activities result from the sponsorship provided by the Humboldt Foundation?

I have produced academic publications that have already appeared or are in press., I have produced academic publications that have already been submitted for publication., I plan to submit academic publications as a result of the research fellowship., I have presented the results of my project in talks or at conferences., My project has resulted in further collaboration., Others, as follows: I've held public outreach events.
I've mentored students and young professionals regarding their careers in academia.
I have developed a strong research plan for my future young research group, and applied for several large grants.
I served as board member at telescope time allocation committees and conference organizing committees.
I've supervised a Master student, who is now continuing his PhD in my new research group.

23. How many publications?

23.1 Already published or in press	Number	8
23.2 Already submitted for	Number	2

publication	
23.3 Planned publications	Number 3
24. How many talks have you given?	20
25. Where have you presented your results?	At the host institution, In professional circles outside the host institution, To the general public
26. With which groups of people did you launch new collaborations during your stay?	With my host, With other academics in Germany, With academics in other countries, With academics in my home country

Personal benefits of sponsorship

27. With regard to the following aspects, how did your stay benefit you personally?

Please use the slider on the scale from 0=did not benefit me at all to 10=benefited me greatly.

27.1 Developing my professional and methodological skills	10
27.2 Facilitating further professional opportunities and prospects	10
27.3 Intensively pursuing my research topic/research focus	8
27.4 Improving my publication skills	6
27.5 International recognition of my academic work (e.g. in international journals)	6
27.6 Increasing my chances of obtaining further research funding/grants	10
27.7 Developing my teaching skills	6

Image

28. Which of these concepts do you associate with "Germany"? Please choose the direction and box that most closely reflect your opinion.

28.1 anti-science (-5) bis pro-science (5)	4
28.2 humourless (-5) bis humorous (5)	2
28.3 reserved (-5) bis open (5)	3
28.4 intolerant (-5) bis tolerant (5)	5
28.5 undemocratic (-5) bis democratic (5)	4

28.6 reactionary (-5) bis progressive (5)	5
28.7 gender discrimination (-5) bis gender equality (5)	3
28.8 bureaucratic (-5) bis unbureaucratic (5)	-3
28.9 inhospitable (-5) bis hospitable (5)	5

29. During your stay in Germany, you have gained an insight into a different higher education system and learned more about Germany as a research location.

Based on your experiences, how would you rate the following aspects of Germany as a research location compared with your home country?

Please use the slider on the scale from 0=very negative in comparison to 10=very positive in comparison.

29.1 International orientation/internationality	10
29.2 Quality of research	8
29.3 Quality of teaching at universities/higher education institutions	6
29.4 Professional prospects for academics	6
29.5 Promotion of junior researchers	6
29.6 Research funding (financing opportunities for research projects)	6
29.7 Infrastructure and facilities at universities and/or research institutions	9
29.8 Dual career opportunities	I am not able to judge
29.9 Childcare provision	I am not able to judge
29.10 Working hours	6

Information on sponsorship

30. Did your family (partner/children) accompany you during your stay?

30.1 my partner	Does not apply
30.2 my child/children	Does not apply

Networking

31. How would you rate the following activities with regard to opportunities to establish contacts with other academics?

Please use the slider on the scale from 0=very poor to 10=very good.

31.1 Annual meeting	I did not take part
31.2 Network meeting	8
31.3 Study tour	I did not take part

32. How interested are you in the following instruments for remaining active in the (Humboldt) network and maintaining contact with other academics and/or establishing new contacts?

Please use the slider on the scale from 0=not interested at all to 10=very interested.

32.1 Membership of/participating in an alumni association	10
32.2 Participating in Humboldt Foundation events	8
32.3 Helping to organise a Humboldt Kolleg	6
32.4 Active participation in the exclusive area "Humboldt Life" of the Alumniportal Deutschland Community	3
32.5 Possibility of becoming a host for German academics (Lynen)	10
32.6 Other networking opportunities, specifically:	No answer

Evaluation of the overall stay

33. Overall, how would you rate the stay in Germany?	10
<i>Please use the slider on the scale from 0=very poor to 10=very good.</i>	
34. What were the <u>positive</u> aspects of your stay in Germany?	The welcoming environment. Köln is a great city, with many wonderful people. My professional career has developed enormously during my time there. Due to the constant support of my host, I was able to step up in my career, and get a faculty position and a large research grant afterwards. It couldn't have been done without the opportunity that the Humboldt fellowship provided!
35. What were the <u>negative</u> aspects of your stay in Germany?	Covid. (But that would have been bad anywhere.) A very little amount of discrimination I experienced based on my gender (as a woman in a male-dominated field). While this of course could be improved upon, it would have been much worse in almost any other country (including my country of origin Hungary and my current country of residence Poland). So, I think

Germany in general is sufficiently progressive in gender issues, especially compared to some other places. However, the German academia (or at least my field) remains to be quite male-centered and patriarchal, which is evidenced by the rarity of female professors.

36. How would you rate the following aspects overall?

Please use the slider on the scale from 0=very poor to 10=very good.

36.1 With regard to my academic development, my stay in Germany was... 10

36.2 In relation to the cultural and intercultural experiences associated with the stay, I personally found the stay in Germany ... 10

36.3 With regard to my own personal development, the stay in Germany was... 10

37. How likely are you ...

Please use the slider on the scale from 0=very unlikely to 10=very likely.

37.1 ...to recommend Humboldt Foundation sponsorship to other academics or junior researchers? 10

37.2 ...to recommend a research stay with your host to other academics/junior researchers? 10

37.3 ...to recommend a research stay in Germany to other academics or junior researchers? 10

38. What general recommendations or information would you give to future fellows in the Humboldt Research Fellowship Programme?

Believe in yourself! You have received this fellowship because you deserve it, so be proud of it! And use your time wisely: develop your academic skills and enjoy your personal life in Germany as well!

Programme evaluation

39. With regard to the following criteria, how would you rate the Humboldt Research Fellowship Programme?

Please use the slider on the scale from 0=too short, 5=just right to 10=too long.

39.1 Duration of the sponsorship period 1

39.2 Financial provisions of the fellowship
Please use the slider on the scale from 0=too low, 5=just right to 10=too high. 4

<p>39.3 How would you rate the Humboldt Research Fellowship Programme in general? Please use the slider on the scale from 0=very poor to 10=very good.</p>	10
<p>39.4 Do you have any further comments on the Humboldt Research Fellowship Programme?</p>	<p>Instead of 2 years it would be better to have 3 years. 2 years is a bit short: one needs to apply for the next job after the 1st year has passed, and this 1 year is not quite enough to finish the projects and publications which serve as the basis of the job application. So a 3-year stay would be preferable, because that would provide 2 years of work in peace, and the 3rd year for the completing everything and applying for the next job. (In my case, I would have even agreed to a compromise of having a lower salary but being able to stay longer. Maybe this could be offered to future fellows as an option, if simply extending the funding period is not possible?)</p>

Advice provided by the Humboldt Foundation

40. With regard to the following aspects, how satisfied are you with the advice / service provided by the Humboldt Foundation?

Please use the slider on the scale from 0=not satisfied at all to 10=very satisfied.

<p>40.1 Information provided by the Humboldt Foundation on the sponsorship programme</p>	6
<p>40.2 Advice provided by the Humboldt Foundation during the application procedure</p>	6
<p>40.3 Period between applying and receiving approval</p>	6
<p>40.4 Overall administrative workload involved in the application process</p>	10
<p>40.5 Advice provided by the Humboldt Foundation when preparing for the stay</p>	6
<p>40.6 Advice provided by the Humboldt Foundation during the stay</p>	7

Professional plans

<p>41. What are your plans for the period following Humboldt Foundation sponsorship?</p>	<p>I will go to another country, specifically: Poland</p>
<p>42. Have you already found a job or another funding opportunity to continue your professional activities?</p>	<p>Yes</p>

43. Before beginning your stay abroad, did you have the option of returning to your home institution?	No
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Conclusion

44. You have now reached the end of the survey. If you wish, you can enter additional information, comments or suggestions here.	Thank you very much! :) I am truly grateful for everything.
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45. If you have any general comments on this questionnaire itself please enter them here.	No further comments
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46. Do you want to get a printable list of all questions and answers on the following page?	Yes
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Publications of Dr. Dorottya Szécsi

during the 2.5 years of Humboldt Fellowship (01.04.2019 – 30.09.2021)

The publications listed below acknowledge the A.v.H. Foundation as supporting entity. The work presented in them have been either fully or in part carried out during the Fellowship.

Refereed publications: 10

Talks given at international conferences: 11

Colloquium and seminar talks: 9

Posters presented at conferences: 6

Public outreach activities: 2

Promoting a Healthy Academic Life, Careers & Mentoring Activities: 7

Refereed publications:

1.

'Bonn' Optimized Stellar Tracks (BoOST). Simulated Populations of Massive and Very Massive Stars for Astrophysical Applications

*Authors: **Dorottya Szécsi**, Poojan Agrawal, Richard Wünsch, Norbert Langer*

Published: A&A 658, A125 (2022)

[Abstract-ADS](#) [arXiv](#)

2.

X-ray emission from star cluster winds in starburst galaxies

*Franeck, Annika; Wünsch, Richard; Martínez-González, Sergio; Orlitová, Ivana; Boorman, Peter; Svoboda, Jiří; **Szécsi, Dorottya**; Douna, Vanesa*

Accepted for publication in ApJ

[Abstract-ADS](#) [arXiv](#)

3.

Explaining the differences in massive star models from various simulations

*Authors: **Dorottya Szécsi**, Poojan Agrawal*

Under review at MNRAS.

[Abstract-ADS](#) [arXiv](#)

4.

A systematic study of super-Eddington envelopes in massive stars

*Agrawal, Poojan; Stevenson, Simon; **Szécsi, Dorottya**; Hurley, Jarrod*

[Abstract-ADS](#) [arXiv](#)

5.

The clustering of gamma-ray bursts in the Hercules – Corona Borealis Great Wall: the largest structure in the Universe?

*Authors: Istvan Horvath, **Dorottya Szécsi**, Jon Hakkila, Áron Szabó, Istvan I. Racz, L. Viktor Tóth, Sándor Pintér, Zsolt Bagoly*

MNRAS 498,2544–2553 (2020)

[Abstract-ADS](#) [arXiv](#)

6.

The fates of massive stars: exploring uncertainties in stellar evolution with METISSE

Authors: Agrawal, Poojan; Hurley, Jarrod; Stevenson, Simon; **Szécsi, Dorottya**; Flynn, Chris
MNRAS 497,4549–4564 (2020)

[Abstract-ADS](#) [arXiv](#)

7.

Detailed evolutionary models of massive contact binaries: I. Model grids and synthetic populations for the Magellanic Clouds

Menon, Athira; de Mink, Selma E.; Langer, Norbert; Justham, Stephen; **Szécsi, Dorottya**; Sen, Koushik; de Koter, Alex; Abdul-Masih, Michael; Sana, Hugues; Mahy, Laurent; Marchant, Pablo
Monthly Notices of the Royal Astronomical Society, Volume 507, Issue 4, pp.5013-5033

[Abstract-ADS](#) [arXiv](#)

8.

Exploration of the high-redshift universe enabled by THESEUS

Authors: Tanvir, N. R.; Le Floc'h, E.; Christensen, L.; [...] **Szécsi, D.**; Toth, L. V.; Urata, Y.; Vergani, S.; Zane, S.

Experimental Astronomy, Volume 52, Issue 3, p.219-244.

[Abstract-ADS](#) [ArXiv](#)

9.

Massive stars in extremely metal-poor galaxies: A window into the past

Authors: Garcia, M.; Evans, C. J.; Bestenlehner, J. M.; Bouret, J. C.; Castro, N.; Cerviño, M.; Fullerton, A. W.; Gieles, M.; Herrero, A.; de Koter, A.; Lennon, D. J.; van Loon, J. Th.; Martins, F.; de Mink, S. E.; Najarro, F.; Negueruela, I.; Sana, H.; Simón-Díaz, S.; **Szécsi, D.**; Tramper, F.; Vink, J.; Wofford, A.

Experimental Astronomy, Volume 51, Issue 3, p.887-911

[Abstract-ADS](#) [arXiv](#)

10.

The Impact of Pair-instability Mass Loss on the Binary Black Hole Mass Distribution

Authors: Stevenson, Simon; Sampson, Matthew; Powell, Jade; Vigna-Gómez, Alejandro; Neijssel, Coenraad J.; **Szécsi, Dorottya**; Mandel, Ilya

The Astrophysical Journal, Volume 882, Issue 2, article id. 121, 15 pp. (2019). [arXiv:1904.02821]

[ApJ](#) [Abstract-ADS](#) [arXiv](#)

Talks given at international conferences:

1.

Metal-poor massive stars

Speaker: Dorottya Szécsi

Keynote talk given at: International Conference for Young Professionals in Physics and Technology (ICYPPT, V.N. Karazin Kharkiv National University, 30th April 2021, Kharkiv, Ukraine)

[Slides](#)

2.

Massive stars from various simulations: why so different?

Speaker: Dorottya Szécsi

Talk given at: 'Actual Problems in Mathematics and Physics 2021', Second Conference at the Department of Natural Sciences, University of Public Service (26 August 2021, Budapest, Hungary)

[Presentation](#)

3.

How to use THESEUS' high-redshift GRB data to constrain the physics of Pop-II and Pop-III progenitors

Speaker: Dorottya Szécsi

Talk given at: THESEUS CONFERENCE 2021 (23-26 March 2021, Virtual)

[Presentation](#) [Video](#) [Poster](#)

4.

Metal-poor massive stars: The theory linking gravitational waves, star-formation and the dawn of the Universe

Speaker: Dorottya Szécsi

Invited talk: 'Actual Problems in Mathematics and Physics', Conference at the Department of Natural Sciences, University of Public Service (1 September 2020, Budapest, Hungary)

[Online-Talk](#) [Slides](#)

5.

Low-Z massive stars vs high-Z massive stars of an M51-like galaxy

Speaker: Dorottya Szécsi

Invited talk: SILCC Workshop (14-15 March 2019, Bad Neuenahr-Ahrweiler, Germany)

[Presentation](#)

6.

The BoOST project: 'Bonn' Optimized Stellar Tracks. Simulated Populations of Massive and Very Massive Stars for Astrophysical Applications

Speaker: Dorottya Szécsi

Talk given at: MOBSTER-1 virtual conference (12-17 July 2020, Globally)

[Video-Presentation](#) – [Slides](#)

7.

What if massive stars could produce lithium?

Speaker: Dorottya Szécsi

Talk given at: Lithium in the Universe: To Be or not to Be? (18-22 November 2019, Rome, Italy)

[Presentation](#)

8.

Metal-poor massive stars: What are they? Why to care? And... how can we find them?

Speaker: Dorottya Szécsi

Talk given at: Network Meeting of the Alexander von Humboldt Foundation (6-8 November 2019, Hamburg, Germany)

[Presentation](#)

9.

Life and death of metal-poor massive stars – a new vision for THESEUS' science

Speaker: Dorottya Szécsi

Talk given at: EWASS 2019, Symposium S4 (24-28 June 2019, Lyon, France)

[Presentation](#)

10.

Do chemically homogeneously evolving stars exist?

Speaker: Dorottya Szécsi

Talk given at: EWASS 2019, Special Session SS17 (24-28 June 2019, Lyon, France)

[Presentation](#)

11.

CHE stars – as the source of photoionization and C-IV emission in dwarf galaxies

Speaker: Dorottya Szécsi

Talk given at: VFTS Workshop (13-15 May 2019, Edinburgh, UK)

[Presentation](#)

Colloquium and seminar talks:

1.

Role of metal-poor massive stars in galaxies near and far

Speaker: Dorottya Szécsi

Colloquium given at: Swinburne Colloquia, Swinburne University of Technology (29th April 2021, Melbourne, Australia)

[Presentation](#)

2.

When gravity meets radiation: the stellar Eddington limit

Speaker: Dorottya Szécsi

Seminar talk given at: Group Meeting of the SILCC group, University of Cologne (27th April 2021, Cologne, Germany)

[Presentation](#)

3.

The theory linking gravitational waves, star-formation and the dawn of the Universe

Speaker: Dorottya Szécsi

Colloquium talk given at: Nicolaus Copernicus University (30 November 2020, Torun, Poland)

[Presentation](#) [Video-1](#) [Video-2](#) [Video-3](#) (if videos don't play in browser, download and play them with Media Player)

4.

The impossible GW190521

Speaker: Dorottya Szécsi

Seminar talk given at: Group Meeting of the SILCC group, University of Cologne (6th October 2020, Cologne, Germany)

[Presentation](#)

5.

Gamma-ray bursts

Speaker: Dorottya Szécsi

Seminar talk given at: Group Meeting of the SILCC group, University of Cologne (30th June 2020, Cologne, Germany)

[Presentation Video](#)

6.

The theory linking gravitational waves, star-formation and the dawn of the Universe

Speaker: Dorottya Szécsi

Colloquium talk given at: Anton Pannekoek Institut for Astronomy, University of Amsterdam (13 March 2020, Amsterdam, The Netherlands)

[Presentation Video-1](#) [Video-2](#) [Video-3](#) (if videos don't play in browser, download and play them with Media Player)

7.

Lithium in massive stars

Speaker: Dorottya Szécsi

Seminar talk given at: Group Meeting of the SILCC group, University of Cologne (14th January 2020, Cologne, Germany)

[Presentation Video](#)

8.

Metal-poor massive stars – The progenitors of gravitational waves

Speaker: Dorottya Szécsi

Talk given at: Hamburger Sternwarte, (8 January 2020, Hamburg, Germany)

[Presentation](#)

9.

Scientific Writing in Astrophysics – Tips and Tricks

Speaker: Dorottya Szécsi

Talk given at: Group Meeting of the SILCC group, University of Cologne (8 October 2019, Cologne, Germany)

[Presentation](#)

Posters presented at conferences:

1.

Metal-poor massive stars: the link between gravitational waves, star-formation and the dawn of the Universe

Dorottya Szécsi

Poster presented at: UK-V4 Frontiers of Science Conference, held by the Royal Society and the Academies of Sciences of the V4 countries (Czechia, Hungary, Poland and Slovakia) for early-career researchers (10-11 June 2021, Virtual)

[Poster](#)

2.

Gamma-Ray Bursts as Probes of Cosmic Structure

I. Horvath, D. Szécsi, Á. Szabó, J. Hakkila, L.V. Tóth, L.G. Balazs, S. Pinter, Z. Bagoly and I.I. Racz

Poster presented at: THESEUS CONFERENCE 2021 (23-26 March 2021, Virtual)

[Poster Video](#)

3.

Multicomponent modelling of the gamma-ray background

Z. Bagoly, P. Veres, L.G. Balazs, D. Szécsi, L.V. Tóth, S. Pinter, I.I. Racz and I. Horvath

Poster presented at: THESEUS CONFERENCE 2021 (23-26 March 2021, Virtual)

[Poster](#)

4.

The BoOST project: ‘Bonn’ Optimized Stellar Tracks. Simulated Populations of Massive and Very Massive Stars for Astrophysical Applications

Authors: Dorottya Szécsi, Poojan Agrawal, Richard Wünsch, Norbert Langer

Poster presented at: MOBSTER-1 Virtual Conference (12-17 July 2020, Global)

[Poster](#)

5.

Properties of compact remnants are substantially impacted by uncertainties in stellar evolution models.

Authors: Poojan Agrawal, Jarrod Hurley, Simon Stevenson, Dorottya Szécsi

Poster presented at: OzGrav Annual Retreat (18-22 November 2019, Victoria, Australia)

[Poster](#)

6.

Are luminous supergiant stars a source of pollution in globular clusters?

Author: Dorottya Szécsi

Poster presented at: EWASS 2019, Special Session SS23 (24-28 June 2019, Lyon, France)

[Poster](#)

Public outreach activities:

1.

“Under the night sky”

Presenting the Moon and the planets to the public with a 102/500mm Rich Field Refractor (80x magnification).

Organizers: Dorottya Szécsi, Katalin Rudas

Date of event: 12. August 2021

Number of participants: ~40. Number of participants under the age of 18: ~20

2.

How big are stars?

Speaker: Dorottya Szécsi

Outreach talk on Youtube: 'Astronomy on Tap Köln' Event (5 November 2020, Youtube Live)

[Youtube Video](#) – [Announcement](#) – [Presentation](#)

Promoting a Healthy Academic Life, Careers & Mentoring Activities:

1.

A healthy career in Astro. What does it look like? And how to achieve it?

Speaker: Dorottya Szécsi

Invited talk at SFB student council seminar (8 Dec. 2020, Köln, Germany)

[Presentation](#)

2.

Solutions of the two-body problem as an Astronomer

Speaker: Dorottya Szécsi

Invited talk at "Healthy Careers in Astronomy" session of the Annual Meeting of the German Astronomical Society (23 Sept. 2020, Virtual Conference)

[Presentation Abstract](#)

3.

IFS-Mentoring: participating as a Mentor in the Mentoring Program for International Female Scholars in year 2021. Mentee: Ms. Atefeh Aghababaei (University of Cologne, Germany). Under this program, the mentee receives 4 mentoring sessions with the mentor, 1 hour each, and has the chance to ask questions and receive advice on research challenges, career developments etc.

4.

My PhD student Ms. Poojan Agrawal has

– completed her PhD thesis with me as her external/foreign supervisor at the School of Science, Computing and Engineering Technologies, Swinburne University of Technology (Melbourne, Australia);

– been interviewed for 3 post-doc positions, received 2 offers, and accepted a post-doc position at the Carnegie Mellon University (Pittsburgh, Pennsylvania, USA). I provided a substantial help in advising her with the job applications, and prepared her extensively for the interviews.

5.

My Master student Mr. Hanno Stinshoff has given a Seminar talk on his Masters project with my supervision (27. July 2021, Group Meeting of the SILCC group, University of Cologne, Germany). He is now preparing for his upcoming Master Thesis defence (15th March 2022).

6.

Senior SOC member of the 'Early Career Astronomers & their supporters' workshop held at the European Astronomical Society (EAS) Meeting, 2021. Workshop held: 28.06.2021.

7.

11 Tips on How to Apply for a Fellowship

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