Tomáš Šoltinský

Curriculum Vitae

413 Lastomír, 07237, Slovakia
Nationality: Slovak
□ +421 915840400
☑ tomas.soltinsky@inaf.it
❸ tomassoltinsky.github.io

Signal Processing Supervisor: Dr Th

Supervisor: Dr Thomas J. Massinger

O Data analysis and investigation of glitches in data

Publications

E Puchwein, J S Bolton, L C Keating, et al. "The Sherwood-Relics simulations: overview and impact of patchy reionization and pressure smoothing on the intergalactic medium", in *MNRAS*, Volume 519, Issue 4, pp.6162-6183, 2023. (link)

T Šoltinský, J S Bolton, M Molaro, et al. "Probing quasar lifetimes with proximate 21-centimetre absorption in the diffuse intergalactic medium at redshifts $z \ge 6$ ", in *MNRAS*, Volume 519, Issue 2, pp.3027-3045, 2023. (link)

T Šoltinský, J S Bolton, N Hatch, et al. "The detectability of strong 21-cm forest absorbers from the diffuse intergalactic medium in late reionization models", in *MNRAS*, Volume 506, pp. 5818-5835, 2021. (link)

C S Cockell, "Astrobiology: Understanding Life in the Universe", Wiley-Blackwell, 2015

O Contributed to and was cited in the Preface to the book

Memberships 2024 SKA-India SWG, link LSST-DESC, Large scale structure WG, provisional membership, link 2019 Sherwood-Relics simulation suite, link Conferences, Meetings, Talks, Lectures 2024 The Origin and Evolution of Supermassive Black Holes, Sexten Center for Astrophysics, Sexten, Italy, Talk 2024 Cosmic Dawn at High Latitudes Conference, Royal Swedish Academy of Sciences, Stockholm, Sweden, Talk 2024 Cosmology in the Alps Conference, Les Diablerets, Switzerland, Talk 2024 Monday Afternoon Talks, MIT Kavli Institute for Astrophysics and Space Research, Cambridge, US, Talk 2024 Pune-Mumbai Cosmology and Astro-Particle meeting, The Inter-University Centre for Astronomy and Astrophysics, Pune, India, Talk and Chaired a session (link) 2024 Astronomical Society of India meeting, Indian Institute of Science, Bengaluru, India, Talk 2024 HEA group meeting, Masaryk University, Brno, Czechia, Seminar 2023 Advanced 21-cm Cosmology School and Workshop, National Institute of Science Education and Research, Bhubaneswar, India, Lectures (link) 2023 Astrophysics Seminar, University of Helsinki, Helsinki, Finland, Seminar 2023 Galaxy coffee, Max Planck Institute for Astronomy, Heidelberg, Germany, Talk 2023 21-cm Series Seminar, University of Cambridge, Cambridge, UK, Seminar 2023 Colloquium, National Centre for Radio Astrophysics, Pune, India, Colloquium 2022 Lunch talk, The University of Nottingham, Nottingham, UK, Talk 2022 Physics PG Poster Competition, The University of Nottingham, Nottingham, UK, Poster 2022 21-cm Series Seminar, University of Cambridge, Cambridge, UK, Seminar 2021 State of the Universe, Tata Institute of Fundamental Research, Mumbai, India, Seminar (link) 2021 National Astronomical Meeting (NAM2021), The University of Bath, Bath, UK, Talk 2021 **SAZERAC 2.0**, Recorded talk (link) 2021 Lunch talk, The University of Nottingham, Nottingham, UK, Talk 2021 Tessella Poster Competition, The University of Nottingham, Nottingham, UK, Poster 2021 Quasars and Galaxies on the Edge of Cosmic Reionisation, Royal Astronomical Society, UK, Flash poster 2020 Early Career Poster Exhibition, Royal Astronomical Society, UK, Poster (link) 2020 Lunch talk, The University of Nottingham, Nottingham, UK, Talk Schools, Courses 2023 Foundation HPC-Skills Course, DiRAC 2023

DP0 Virtual Summer School 2023, Vera C. Rubin Observatory/LSST

	Extracurricular Activities
2021	Mentoring at GROWNi.sk, Slovakia
	O Advising students in their career and study decisions
2016	Outreach talks, Pavol Horov Gymnasium, Michalovce, Slovakia
	 "From LA to LA", Topic: gained experience and how to study abroad "Science has no borders", Topic: my research experience and ongoing research in the world
2023-24	
	Mumbai, India
	Astronomy Postgraduate Student Representative, The University of Nottingham, Nottingham, UK
2021-22	Main point of communication between PG students and staff Long Tally Organizate The University of Mattingham Nestingham Life Tally Organizate The University The Univ
2019-22	Lunch Talks Organizer, The University of Nottingham, Nottingham, UK
2017-21	Physics Coursework Marker, The University of Nottingham, Nottingham, UK
201721	Student Ambassador , <i>The University of Edinburgh and the University of Nottingham</i> , Edinburgh and Nottingham, UK
2018	 Resided over the information desk and gave tours of the campus and the School of Physics and Astronomy at the Open Days, Post-offer Visit Days, Visiting Students Welcome Event
	UUKi Parliamentary Reception for the Go International: Stand Out Campaign,
	Westminster, London, UK
2018	Awards
	RSE Cormack Undergraduate Astronomy Research Prize , <i>Royal Society of Edinburgh</i> , Edinburgh, UK
2016	For the "21cm Marking the End of Dark Ages" project
	Year 2 Physics Class medal , <i>The University of Edinburgh</i> , Edinburgh, UK For excellent performance during the 2015/16 session
2014	The memorial letter of St. Gorazd, The Ministry of Education, Science, Research and Sport of the Slovak Republic, Bratislava, Slovakia
2014	For successful representation of the Slovak Republic at Austrian Young Physicists' Tournament and achievement of bronze medal
2014	Best in Natural Sciences school award , <i>Pavol Horov Gymnasium</i> , Michalovce, Slovakia For representation of the school at various Physics and Maths competitions
	Skills
Programming	Python, Jupyter notebook, C, LATEX, Mathematica, basic in IDL
	Radiative Transfer, OpenMP parallelisation, 21cmFAST, IRAF, SExtractor

Large data analysis (binary and HDF5 formats)