Łukasz Tychoniec

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EDUCATION

09/2016 – 10/2020 **PhD Astronomy** - Leiden University, Leiden, The Netherlands
S*upervisor*: Prof. Ewine F. van Dishoeck
Thesis: Protostellar jets and disks at the onset of planet formation

10/2014 – 07/2016 **MSc Astronomy** - Adam Mickiewicz University, Poznań, Poland
S*upervisor*: Dr. Agata Karska
Thesis: First stages of star formation in Perseus molecular cloud observed in the infrared and radio wavelengths

10/2011 – 06/2014 **BSc Astronomy** - Adam Mickiewicz University, Poznań, Poland
Specialization: Artificial Satellites Applications

TRAINING

06/2019   NOVA 3rd year PhD weekend, Amersfoort, The Netherlands
Soft skills: effective presentation, job applications
11/2017   ALMA data reduction training day
11/2016   NOVA Fall School, course on Extragalactic Astrophysics,
Soft skills: time management, science communication, ethics in science
05/2015   Cloudy Workshop, Warsaw, Poland.
Speaker: Prof. Gary Fernland, CLOUDY software tutorials and lectures on ISM

SERVICES

2017 - 2018   Co-organizer of the Leiden Observatory PhD interview days
2017 - 2018   Several outreach talks from the primary school up to high school in my hometown Nowogard, Poland
2017 - 2019   Teaching assistant for a bachelor's course - Galaxies and Cosmology

2018 - 2019	Contribution to mentoring a student in a bachelors project in Toruń, Poland
2019 - 2020	Mentoring of two master student's projects in Leiden
2019 - 2020	Co-organizer of Star Formation and Disks bi-monthly discussions in Leiden
03/2020	Co-organizer of JWST Day in Netherlands, virtual

TALKS & PRESENTATIONS

Seminars:

05/2020	Talk at weekly seminar in AMU, Poznań, Poland
03/2020	Opening seminar at JWST MasterClass, Toruń, Poland
09/2017	Toruń Astrophysics/Physics Summer Program (TAPS), Toruń, Poland

Contributed talks:

10/2020	Europlanet Science Congress, virtual
07/2020	European Astronomical Society Annual Meeting, virtual
06/2020	IAU Astrochemical Frontiers, virtual
09/2019	NOVA network meeting, Amsterdam, The Netherlands
03/2019	NOVA network meeting, Leiden, The Netherlands
07/2018	Astrochemistry - Past, Present, and Future, Pasadena, USA
11/2018	Allegro ALMA day, Leiden, The Netherlands
09/2017	Polish Astronomical Society meeting - Zielona Góra, Poland
09/2016	Shocks 2016 - Toruń, Poland, 09/2016
10/2015	Astrophysics and Cosmology, Kraków, Poland
09/2015	OSSA (Polish Astronomy Student's Assembly), Poznań, Poland

Posters:

06/2019	From Stars to Planets II, Gothenburg, Sweden
03/2017	IAU Symposium 332, Astrochemistry VII, Puerto Varas, Chile
09/2016	Shocks 2016 - Toruń, Poland
04/2016	Water in the Universe, Katwijk, The Netherlands
09/2015	Polish Astronomical Society meeting - Poznań, Poland

SCHOLARSHIPS & AWARDED TELESCOPE TIME

Scholarship:

2015	Scholarship, Polish Minister of Science and Higher Education
2015	Scholarship, Rector of Adam Mickiewicz University, Poland
2012	Scholarship, Rector of Adam Mickiewicz University, Poland

Accepted proposals as a PI:

2019	Cycle 7, ALMA, Grade C (12m - 6.8 hrs awarded)
2018	Cycle 6, ALMA, Grade B (7m - 28.8 hrs awarded)

2017	Cycle 5, ALMA, Grade C Grade C (12m -5.7 hrs, 7m -21 hrs awarded)
	Accepted proposals as a co-I:
2020	VLT: PENELLOPE Large Program
2017 - 2019	ALMA A-priority: 2 proposals (27 hrs total)
	ALMA B-priority: 1 proposal (18.7 hrs total)
	ALMA C-priority: 2 proposals (16 hrs total)
2016 - 2019	VLA A-priority (43 hrs), B-priority (340 hrs)
2018	SOFIA Priority 2: (8 hrs)

SKILLS & EXPERTISE

Observations:	ALMA, VLA, APEX data analysis (**CASA, GILDAS**), ALMA data calibration and pipeline; preparations of the James Webb Space Telescope Guaranteed Time Observations within the MIRI European Consortium.
Programming:	Writing dedicated modules for analysis of large datasets, data visualisation, statistical analysis (**Python, IDL**),
Software:	astrochemical modelling (**RADEX, CASSIS**), Latex, Inkscape
Languages:	English (fluent), Polish (native)