

# Lothar-Simon Anghel

Date of birth: 06/07/1988

Nationality: Romanian

Gender: Male

## CONTACT

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## WORK EXPERIENCE

**05/2019 – CURRENT** – Bucharest, Romania

### Assistant Researcher

Astronomical Institute of the Romanian Academy

- data analysis and vizualization
  - experiment design and data processing
  - equipment installation and maintenance
- Bucharest, Romania

**08/2015 – CURRENT**

### Administrative secretary (volunteer)

Bucharest Astroclub

- organization of astronomy courses, popularization events, observation campaigns, etc
  - preparation and guidance of amateur astronomers
  - keeping track of the income and expenditures in the organization
- Bucharest, Romania

**08/2017 – 05/2019**

### Technician for Astronomical Observations

Astronomical Institute of the Romanian Academy

- astronomical observations
- equipment installation and maintenance
- data processing

## EDUCATION AND TRAINING

**10/2018 – CURRENT** – Romania

### PhD/doctoral candidate

Faculty of Physics, Bucharest University

- Photometry
- Big data / Machine Learning
- Planetology
- Earth sciences

**2014 – 2016** – Bucharest, Romania

### Masters Degree

Faculty of Physics, Bucharest University

- Planetology
- Spectroscopy
- Geophysics
- Atmosphere physics

**2011 – 2014** – Bucharest, Romania

## Batchelor of Science in Geography

Faculty of Geography, Hyperion University

- Geology
- Satellite Imagery
- Geomorphology
- Meteorology

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Romanian

**OTHER LANGUAGE(S):**

**English**

<b>Listening</b> C2	<b>Reading</b> C2	<b>Spoken production</b> C2	<b>Spoken interaction</b> C2	<b>Writing</b> C2
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**French**

<b>Listening</b> A2	<b>Reading</b> B1	<b>Spoken production</b> A2	<b>Spoken interaction</b> A2	<b>Writing</b> A2
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**Spanish**

<b>Listening</b> B1	<b>Reading</b> B2	<b>Spoken production</b> A1	<b>Spoken interaction</b> A2	<b>Writing</b> B2
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## DRIVING LICENCE

**Driving Licence:** B

## COMMUNICATION AND INTERPERSONAL SKILLS

### Communication

Good communication skills gained:

- by organizing various courses as a member in Bucharest Astroclub administration
- on the course of multiple workshops I held to audiences all ages from children to professors. This required to adapt the material and the concepts according to the learner's level of knowledge
- with multiple occasions during conferences, where the audience can have higher expertise on the subject.

### Interpersonal skills

Good interpersonal skills acquired from:

- collaborations with numerous researchers at Paris Observatory
- discussions to implement and extend the MOROI network for monitoring the sky in Romania
- engaging with other scientists on numerous conferences which led to current collaborations

## JOB-RELATED SKILLS

### ● Job-related skills

- experience with digital / optical equipment gained during 5 years of astronomical observations
- good data visualization and analysis skills in Bash/Linux, Microsoft Office Suite, Inkscape, etc
- proficiency in Python, from pipeline building to advanced Machine Learning and Deep Learning
- good technical skills gained by building telescopes, assembling hardware for meteor stations, installing and maintaining the equipment at the work place

## PUBLICATIONS AND WORKSHOPS IN THE PAST 3 YEARS

### ● Multi-day workshops as attendant/participant

International Meteor Conference, Virtual, 25-26 Sep, 2021

Lunar Surface Science Workshop: Fundamental and Applied Lunar Surface Research in Physical Sciences, Virtual, Aug 18-19, 2021

CTBTO-SnT, Virtual, 28 Jun - 2 Jul 2021

25th Meeting of the NASA Small Bodies Assessment Group, Virtual, Jun 7-8, 2021

ExMAG Spring Meeting (Extraterrestrial Materials Analysis Group), Virtual, Apr 7-8, 2021

Stardust-R Network Training School III, (2021) March 15-19, 2021, Iași, Romania, Virtual

Outer Planets Assessment Group (February 2021), Virtual, Feb 9-11, 2021

24th Meeting of the NASA Small Bodies Assessment Group, Virtual, Jan 26-27, 2021

Lunar Surface Science Workshop VII Space Biology, Virtual, Jan 20-21, 2021

18th Meeting of the Venus Exploration Analysis Group (VEXAG), Nov 16-17, 2020

Apophis T-9 Years: Knowledge of Opportunities for the Science of Planetary Defense, Virtual, Nov 4-6, 2020

The Mapping and Planetary Spatial Infrastructure Team Community Meeting, Virtual, Oct 14, 2020

International Meteor Conference, Virtual, 19 Sep 2021

Europlanet Science Congress, Virtual, 21 Sep - 9 Oct, 2021

Outer Planets Assessment Group (Fall 2020), Virtual, Sep 1-3, 2020

Lunar Surface Science Virtual Workshop III, Virtual, Aug 20, 2020

11th Planetary Crater Consortium Meeting, Virtual, Aug 5-7, 2020

Lunar Surface Science Workshop, Virtual, May 28-29, 2020

"JWST Master Class 2020: Local Workshop", 17-18 February 2020, ISS, Magurele, Romania.

Natural Space Risks 2019 Summerschool, 26-31 august 2019, Paris, France.

CIAS Workshop/Atelier, 1-3 April 2019, Observatoire de Paris-Meudon, France.

### ● As presenter/contributor

**Anghel S.** et al. (2021) EGU22: General Assembly, 23-27 May, 2022, Vienna, Austria

**Anghel S.** et al. (2021) AGU21 Fall Meeting, 13-18 Dec, 2021, New Orleans, LA

**Anghel S.** et al. (2021) ZAC 202 IC, 28-29 Oct, 2021, Virtual

Boaca I., ..., **Anghel S.** (2021) IAU Symposium 364, 18-22 Oct, 2021, Iasi, Romania

**Anghel S.** et al. (2021) IAU Symposium 364, 18-22 Oct, 2021, Iasi, Romania

**Anghel S.** et al. (2021) Astro 2021, 4-12 Oct, 2021, Runcu, Romania

Boaca I., ..., **Anghel, S.** (2021) EPSC 2021, 13-24 Sep 2021, Virtual

Boaca, M., ..., **Anghel, S.** (2021) Europlanet Science Congress, EPSC2021-307, 13-24 Sep 2021, Online

**Anghel, S.**, et al. (2021) 84th Annual Meeting of the Meteoritical Society, #6028, 15-21 Aug, 2021, Chicago, IL.

**Anghel, S.**, et al. (2021) 84th Annual Meeting of the Meteoritical Society, #6027, 15-21 Aug, 2021, Chicago, IL.

Sonka, A.B., ..., **Anghel, S.** (2021) 7th IAA Planetary Defense Conference 2021, 26 Apr-30 Apr, Virtual.

**Anghel, S.**, the MOROI Team (2020) Erasmus+ Schools tune into Mars, October 31, 2020, Virtual

**Anghel, S.**, (2020) Bucharest Astroclub Meteorite workshops, 2020, June-August 2020, Virtual

**Anghel, S.**, (2020) International Asteroid Day 2020, June 30, 2020, Virtual

**Anghel, S.**, et al. (2019) New Horizons in Space and Planetary Astrophysics, Honoring IAU 100. 16-18 Oct 2019, Bucharest, Romania.

Santos-Sanz, P., ... **Anghel, S.**, et al., (2019) Europlanet Science Congress, EPSC-DPS2019-666-5, 15-20 Sept 2019, Geneva, Switzerland.

**Anghel, S.**, et al. (2019) Europlanet Science Congress, EPSC-DPS2019-1758, 15-20 Sept 2019, Geneva, Switzerland.

**Anghel, S.**, et al. (2019) 9th Congress of Romanian Mathematicians, June 28–July 3 2019, Galatz, Romania.

**Anghel, S.**, et al. (2019) Faculty of Physics Annual Scientific Session, 21 June 2019, Magurele, Romania.

**Anghel, S.**, et al. (2019) „Impacts and their role in the Evolution of Life”, 10-13 June 2019, Tallberg, Sweden.

**Anghel, S.**, et al. (2019) Recent developments in Astronomy, Astrophysics, Space and Planetary Sciences International Conference, 27-29 May 2019, Cluj-Napoca, Romania

Boaca, I., **Anghel, S.**, et al. (2019) Recent developments in Astronomy, Astrophysics, Space and Planetary Sciences International Conference, 27-29 May 2019, Cluj-Napoca, Romania

Naiman, M., **Anghel, S.**, Stoica, A. (2019) Astrofest, 19 May 2018, Bucharest, Romania

Birlan, M., ..., **Anghel, S.**, et al. (2019) 6th IAA Planetary Defense Conference 2019, 29 Apr-03 May, Washington D.C. USA.

Sonka, A., Birlan, M., **Anghel, S.**, et al. (2019) PERC International Symposium on Dust & Parent Bodies, 12-14 Feb 2019, Tokyo, Japan.

**Anghel, S.** (2018) Techniques for observational Astronomy Workshop, 7 Nov 2018, Bucharest, Romania.

Birlan, M., ..., **Anghel, S.**, et al. (2018) Didymos Observer Workshop, 18-21 Jun 2018, Prague, Czech Republic

## Peer-reviewed publications

Santos-Sanz, P., ... **Anghel, S.**, et al. (2022) A&A, Accepted

**Anghel S.** et al. (2021) MNRAS, 508:5716

**Anghel S.** et al. (2021) RoAJ, 31, 3, p. 171

Boaca I., ..., **Anghel, S.** (2021) RoAJ, 31, 2, p. 153

Vaduvescu O., ..., **Anghel S.** et al. (2021) New Astronomy, 88:101600.

Boaca, M., ..., **Anghel, S.**, et al. (2021) RoAJ, 31, 3, 171-183.

**Anghel, S.**, et al. (2021) RoAJ, 31, 2, 153-169.

Birlan, M., ..., **Anghel, S.**, et al. (2021) RoAJ, 31, 1, 41-56.

Colas, F., ..., **Anghel, S.**, et al. (2020), A&A, 644:A53.

**Anghel, S.**, et al. (2019) et al.RoAJ, vol 29, 3, p. 187-250.

Sonka, A., B., Birlan, M., **Anghel, S.**, et al. (2019) RoAJ, 29, 1, 33-39.

Birlan, M., ..., **Anghel, S.**, et al. (2019) RoAJ, 29, 1, 23-33.