B3 2023-10-25 Meeting

Attendees: Didier, Petr, Ashish, Ricardo, Stefano.

Individual updates:

Ashish: US - Large Astronomy AI institutes proposals are due. Two will likely be funded by the NSF.

Ashish: Astroinformatics meeting took place in Naples in Oct. Yann Lecun was present in person. Talks will be posted online (link will be posted). Pranav Sharma reported on the recommendations from the S20 meeting on astroinformatics policy. Kai Polsterer took over as president of IAIA.

Ashish: ZTF II done. ZTF O4 has started and will go on until the end of 2024 to coincide with LIGO O4. Current ZTF ML activity includes gap analysis of its various transient programs.

Ashish: Rubin/LSST ISSC Anomaly Detection interest group has been formed. Anyone can become a member of ISSC irrespective of access rights to LSST data.

Ashish: Proceedings of IAU meeting are with the publishers. Should be published soon.

Ashish: Will ask the Antares team for a one-pager.

Petr: COST action involving LSST/Europe (wider - but includes ML) was just submitted (81 proposers, 37 countries): OC-2023-1-26566 " Linking Space, Structure and Time: Bridging Cosmic Divides ", acronym : LSSTBridge. The decision about funding should be given on May 22. It includes many people from already established LSST core and in-kind collaborations as well.

Stefano: Italian astrostatistics school took place last week. Next school in the Czech Republic in November.

Stefano: The IAU-IAA Webminars need an organizer from the East (perhaps also from Africa, S America). Perhaps get a younger person who is not as burdened as senior people. Feel free to send names for seminar coordinators to stefano.andreon@inaf.it. Also names of speakers working in the East countries are welcome.

Ricardo: I have a couple of collaborations. We will have a workshop being organized with the N Carolina group in the Spring of 2024. Topic: machine learning in astrophysics simulations.

Didier: I attended a french conference on Integral Field Spectroscopy to present an unsupervised classification of spaxels on galaxies. I realized that Machine Learning is not very well developed and used for this kind of data cubes. Maybe a new field to investigate.

Current/ongoing activities:

Plans:

Other discussion:

Forthcoming meetings:
- Next week: Astrostatistics in Canada (BIRS)
- Machine Learning meets galaxy classification (ESAC Madrid, 21-22 Nov 2023) https://www.cosmos.esa.int/web/ml-gc/home
- ML-IAP (Paris/New-York,, 27 Nov/1 Dec 2023, also online) "Debating the potential of ML for astronomical surveys" https://indico.iap.fr/event/1/
- Dec 2023 Chile meeting
- Next astroinformatics meeting will be in Chile
- AAS Jan 2024 has a session on 'Securing diverse data and its provenance to enhance time domain astronomy' (2 PM CT, Jan 9). New Orleans.
- ADASS - 5th-9th Nov 2023 in Tucson. https://adass2023.lpl.arizona.edu/
- IVOA Interoperability meeting 10th-12th Nov in Tucson . Call for contributions to KDD interest group was sent. https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpNov2023
- Hot Wiring Conference - May 2024, Toronto

Our next meeting: Jan 24, 2024