



Welcome to the LSST Transients and Variable Stars Science Collaboration (TVS SC) - you join us at a really exciting time!

Our group is a large, diverse collaboration, which, includes 10+ subgroups with different science interests and expertise in the transient sky science. You can find out more about each subgroup at the TVS website:

<https://lsst-tvssc.github.io/>

The collaboration is organized as follows:

- Federica and Rachel chair the TVS collaboration as a whole, and act as a contact point between scientists and the LSST Project and as a conduit to ensure relevant information is circulated, both between TVS subgroups and the Project as a whole.
- Each subgroup should have a *main US contact person*, a *main European contact person* and a *MAF expert*. As the TVS collaboration is large its impractical to whole telecons with everyone at once, so the main contacts are the primary link between subgroups and the TVS chairs and responsible for communicating with their subgroups. With a recent large influx of many European TVS members, each subgroup should identify a person in Europe to perform this role.

Below is a list of subgroups and their main contacts. Please reach out to the main contact of your primary and secondary subgroups to familiarize yourself with the current activities of the subgroup.

Subgroup main contacts hold regular office hours: this is the time when your subgroup's contact is available online for the subgroup members (once or twice a month).

The subgroup main contact people are expected to attend the regular telecons with the TVS chairs, so that they are able to keep their subgroups up to date with TVS activities

and the LSST Project as a whole. These telecons are held every other Thursday at 4:00pm EDT, with one telecon per month held on the last Wednesday of each month at 12:00 EDT/ 6:00pm CEST to make it more accessible for our European collaborators.

If you have signed up for a subgroup without a US or European contact yet, and you want to jumpstart your TVS participation by volunteering that would be great! Let us know!

The Metric Analysis Facility aka MAF is an LSST-produced software that enables simulation of LSST observations of specific phenomena (<https://www.lsst.org/scientists/simulations/maf>). Each subgroup should identify a person who can provide advice on using this software.

- LSST uses [community.lsst.org](https://community.lsst.org) and slack as our primary communication tools. There is a TVS channel (`#tvs`) on the lsst slack. There is a [community.lsst.org](https://community.lsst.org) TVS channel <https://community.lsst.org/c/sci-collabs/tvs-sc> for our collaboration. There is also a <https://community.lsst.org/c/sci-collabs> channel for cross-collaboration discussions; private conversations *that should only be visible to some of the TVS collaboration* should be done by email.

We are thrilled to have your expertise in the group!

Federica and Rachel (TVS co-chairs)

- Cosmological ***Volunteers/nominations needed***
- Classification/characterization

Chair: Keivan Staussen ([keivan.staussun@vanderbilt.edu](mailto:keivan.staussun@vanderbilt.edu))

MAF: Mike Lund

- Distance scales ***Volunteers/nominations needed***

- Fast Transients  
Chair: Maria Drout ([mdrout@carnegiescience.edu](mailto:mdrout@carnegiescience.edu))  
MAF: Eric Bellm
- Galactic  
Chair: Laura Chomiuk  
MAF: ***Volunteers/nominations needed***
- Interacting Binaries  
Co-chairs: Paula Szkody ([szkody@astro.washington.edu](mailto:szkody@astro.washington.edu)) and  
Andrej Prsa ([andrej.prsa@villanova.edu](mailto:andrej.prsa@villanova.edu))  
MAF: ***Volunteers/nominations needed***
- Magnetically active stars  
Chair: Ricky Egeland  
MAF: ***Volunteers/nominations needed***
- Microlensing  
Co-chairs: Rachel Street ([rstreet@lco.global](mailto:rstreet@lco.global))  
Rosanne Di Stefano,  
MAF: Martin Donachie
- Multiwavelength characterization/counterparts and Gravitational Waves  
Chair: Raffaella Margutti ([rafmargutti@gmail.com](mailto:rafmargutti@gmail.com))  
MAF: Zoyter Doctor
- Non-degenerate eruptive variables ***Volunteers/nominations needed***
- Pulsating variables  
Chair: Kelly Hambleton ([kelly.hambleton@villanova.edu](mailto:kelly.hambleton@villanova.edu))  
MAF: Keaton Bell
- Supernovae  
Chair and MAF: Stefano Valenti ([stfn.valenti@gmail.com](mailto:stfn.valenti@gmail.com))
- Tidal Disruption Events

Chair: Sjoert van Velzen (sjoert@astro.umd.edu)

- Transiting Planets

Chair and MAF: Mike Lund (mike.lund@gmail.com)