



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 and Task Forces 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 *coordinator*. As the TVS collaboration is large its impractical to whole telecons with everyone at once, so the coordinators are the primary link between subgroups and the TVS chairs and responsible for communicating with their subgroups.

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.

All TVS members are encouraged to attend the regular TVS telecons, and attendance is expected for subgroup coordinators, 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 Tuesday at 9am PDT / noon EDT / 6pm CEST.

We maintain a public Google calendar of all our meetings which you can import using this link:

<https://calendar.google.com/calendar/u/0?cid=bGNvLmdsb2JhbF9odDZiNzY5NTFIZXJibzRhb2x2ajJydWk0Z0Bncm91cC5jYWxlbnRhci5nb29nbGUuY29t>

If you have signed up for a subgroup without a 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 and slack as our primary communication tools. There is a TVS channel (#tvs) on the lsst slack, with additional channels for the topical subgroups. There is a [community.lsst.org](https://community.lsst.org/c/sci-collabs/tvs-sc) 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: Robert Szabo (rszabo@konkoly.hu), Nina Hernitschek (nina.hernitschek@vanderbilt.edu)

MAF: Mike Lund

- Distance scales

Chairs: Marcella Marconi, INAF - Osservatorio Astronomico di Capodimonte and Lovro Palaversa, Ruđer Bošković Institute

- Fast Transients

Chair: Maria Drout (mdrout@carnegiescience.edu)

MAF: Eric Bellm

- Galactic

Volunteers/nominations needed

- Interacting Binaries

Co-chairs: Paula Szkody (szkody@astro.washington.edu) and
Andrej Prsa (andrej.prsa@villanova.edu)

MAF: ***Volunteers/nominations needed***

- Magnetically active stars

Chair: Ricky Egeland (egeland@ucar.edu)

MAF: ***Volunteers/nominations needed***

- Microlensing

Co-chairs: Somayeh Khakpash, University of Delaware

- Multiwavelength characterization/counterparts and Gravitational Waves

Chair: Raffaella Margutti (rafmargutti@gmail.com)

MAF: Zoyter Doctor

- Non-degenerate eruptive variables

Chair: Sara Bonito (INAF)

- Pulsating variables

Chair: Kelly Hambleton (kelly.hambleton@villanova.edu)

MAF: Keaton Bell

- Supernovae

Chair Melissa Graham (melissalynngraham@gmail.com)

- Tidal Disruption Events

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

- Transiting Planets

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