

## Seminar Optimization and Equilibrium

**Speaker:** Prof. Rubén López, University of Tarapacá, Arica, Chile

**Title:** Epi-convergence, asymptotic analysis and stability in set optimization problems.

**Abstract:** We study the stability of set optimization problems with data that are not necessarily bounded. To do this, we use the well-known notion of epi-convergence coupled with asymptotic tools for set-valued maps. We derive characterizations for this notion that allows us to study the stability of vector and set type solutions by considering variations of the whole data (feasible set and objective map). We extend the notion of total epi-convergence to set-valued maps.

\* This work has been supported by Conicyt-Chile under project FONDECYT 1181368

Joint work with Elvira Hernández, Universidad Nacional de Educación a Distancia, Madrid, Spain

Enlace de la Conferencia: <https://meet.google.com/hgo-zwkr-fvh>

Miércoles, 05 de agosto a las 10 Horas (16:00 en Europe)

<https://eventos.cmm.uchile.cl/optimseminar/seminars/>