



Universiteit  
Leiden  
The Netherlands

## Stellar radio beacons for Galactic astrometry

Quiroga Nunez, L.H.

### Citation

Quiroga Nunez, L. H. (2020, March 12). *Stellar radio beacons for Galactic astrometry*. Retrieved from <https://hdl.handle.net/1887/86289>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/86289>

**Note:** To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/86289> holds various files of this Leiden University dissertation.

**Author:** Quiroga Nuñez, L.H.

**Title:** Stellar radio beacons for Galactic astrometry

**Issue Date:** 2020-03-12

Propositions accompanying the thesis

## **Stellar radio beacons for Galactic astrometry**

1. Precise astrometric measurements are fundamental to estimate the physical quantities of astrophysical objects.
2. VLBI observations of masers across the Milky Way can trace the large-scale Galactic spiral structure (Chapter 2).
3. The determination of the Milky Way structural parameters is crucial to calibrate Galactic and extragalactic measurements (Chapter 3).
4. Rigorous astrophysical simulations can temporarily remedy the lack of observational measurements (Chapter 3).
5. Radio wavelengths offer a unique window to observe the stellar populations in the Galactic plane (Chapter 4).
6. Radio campaigns are complementary to optical surveys, particularly for highly extinct regions (Chapter 2 and 4).
7. Stellar flares are as hard to predict as earthquakes (Chapter 5).
8. The best time to do research is when one's baby sleeps.
9. Changing your nationality is more than a decision.
10. Life should be taken as an optimization problem in which with limited resources and time, you attempt to maximize the legacy that you leave.
11. A sports fan suffers more than a player.

Luis Henry Quiroga Nuñez  
Socorro, January 26, 2020