- **Date sent:** 21 January 2022, 15:54
- **From:** Commission H1 Organizing Committee
- **To:** Division J, Commission H1 The Local Universe
- **Subject:** Announcement: IAU Commission H1 "The Local Universe" Seminar February 3

Dear Colleagues,

We are pleased to announce the second seminar of Commission H1 “The Local Universe”.
You are welcome to share this announcement among your colleagues.

February 3 (Thu), 17:00 UTC
https://us02web.zoom.us/j/84934223106?pwd=Y2Fsc2FvdE1qVS9EVTFkR0crYkZDQT09
ID: 849 3422 3106
passcode: 207421

Keynote talk (25 min., + 15 min. discussion)
Khyati Malhan (Humboldt Postdoc fellow at MPIA, Heidelberg, Germany, https://www.dropbox.com/s/4np67x17u42e7lo/KMalhan_CV.pdf?dl=0)

Title: The Global Dynamical Atlas of Milky Way mergers using ESA/Gaia dataset

Abstract:Understanding the merging history of our Galaxy is important to inform the LCDM based galaxy formation models. I will present a new technique to uncover the Milky Way mergers using ESA/Gaia dataset. We use Gaia EDR3 measurements of 170 globular clusters, 41 stellar streams and 46 satellites to derive their energy-action (E, J) values. Then, in this (E, J) space, we detect "groups" of these halo objects using a statistical procedure. I will discuss the properties of 7 detected mergers, and also talk about the most metal-poor merger of our Galaxy (that possessed [Fe/H]_minima~ -3.4 dex).

Highlight talk (12 min., +8 min. discussion)
Grazina Tautvaisiene (Vilnius University, Lithuania, https://www.ff.vu.lt/en/itpa/staff/tautvaisiene)

Title: Gaia-ESO Survey: Detailed elemental abundances in red giants of the peculiar globular cluster NGC 1851

NGC 1851 is one of several globular clusters for which multiple stellar populations of the subgiant branch have been clearly identified and a difference in metallicity detected. A crucial piece of information on the

IAU highlights our seminars at: https://www.youtube.com/channel/UCc3I9q-N0NA05vIYeNMmtTw

Organizing Committee of IAU Commission H1