Multi-Messenger EM-GW Astronomy: The View from the Radio End of the EM Spectrum

Dale Frail, NRAO

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1:00 pm - 2:00 pm
Challenge Conference Room (03-200-256)

Abstract:
With the discovery of gravitational waves and electromagnetic radiation from the binary neutron star merger GW170817, the era of GW multi-messenger astronomy has begun with style. I will describe the discovery, show where progress has been made in several areas, and then move to describe a controversy regarding the origin of the afterglow emission. After explaining the importance of this issue, I will show how late-time radio observations have decisively resolved the issue. I will end with a discussion of the future, with an emphasis on the role of radio observations in finding and studying EM counterparts.