## **Radio 2017**



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## Imaging the spatial, spectral, and temporal sky via information field theory

Thursday, October 5, 2017 4:30 PM (15 minutes)

Information field theory (IFT), the information theory for fields, permits the derivation of imaging algorithms, which are optimized for specific measurement situations. I will present the current state of the IFT algorithms RESOLVE and D3PO for radio synthesis and  $\gamma$ /X-ray imaging, respectively, highlight scientific results obtained with them, and discuss their future evolution.

Author: Dr ENSSLIN, Torsten (MPI for Astrophysics)Presenter: Dr ENSSLIN, Torsten (MPI for Astrophysics)

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