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Abstract for an Invited Paper
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Dynamic imaging spectroscopy at radio wavelength: new insight into energetic processes on the Sun
SIJIE YU, New Jersey Inst of Tech

Thanks to recent advances in radio interferometric instrumentation, we've entered a new era of solar radio observations—broadband dynamic imaging spectroscopy. In this talk, I will first introduce the history of solar radio observations based on either total-power (integrated over the Sun) dynamic spectral measurements or imaging at a few discrete frequencies, then review some recent progress based on dynamic imaging spectroscopy over a wide frequency range that has placed us in a strong position to make revolutionary breakthroughs in understanding high-energy processes in the solar corona. Future perspectives will also be briefly discussed.