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High angular resolution radio interferometry observations of Galactic Centre

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High angular resolution radio interferometry observations at high frequencies enable us to study the emission mechanisms of the central region of our Galactic Centre, which harbours the supermassive black hole source Sgr A*, in great detail. This talk will focus on recent results from GC observations with radio interferometer arrays such as CARMA and ATCA. I will present results from the flare modelling of Sgr A* based on our global coordinated multiwavelength observing campaigns in 2007 and 2008, and high resolution maps along with a spectral index analysis of the extended emission of the central minispiral region at multiple wavelengths.