

ATS/CIRA Colloquium

Atmospheric Science 50th Anniversary Speaker

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**Surface and Aerosol Effects on Rainfall: Amazon Basin
and the Megacity of Sao Paulo, Brazil**

Hosted by Wayne Schubert

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Abstract: Possible effects of surface and aerosol changes on rainfall in the Amazon Basin and in the Mega-city of Sao Paulo, Brazil, will be presented as part of an effort of cause attribution of observed changes. In the Amazon basin most of the human influence is through deforestation and biomass burning. In Sao Paulo, urbanization including the heat island and air pollution have changed the surface-atmosphere interactions as the global climate evolved through decades.