B mode from Space – Part 1: The Science goals, status of spaceborne projects, foregrounds (Dec 10 -12), Part 2: Mission design, technologies and challenges for the spaceborne observations (Dec 14 -16) –

Contribution ID: 46 Type: not specified

## LiteBIRD Focal Plane Cryogenics and Mechanics Ari Cukierman (UCB)

Wednesday 16 December 2015 11:05 (25 minutes)

The design of the LiteBIRD focal planes needs to balance cryogenic, mechanical, optical and electrical concerns. I will discuss the cryogenic and mechanical issues associated with these technologies with special emphasis on the unique challenges and uncertainties present in a space-based environment. Additionally, I will summarize baseline technologies and the requirements for the LiteBIRD sub-Kelvin cooler.

**Presenter:** Mr CUKIERMAN, Ari (UCB) **Session Classification:** Detector