

MULTISTREAM DIARIZATION FUSION USING THE MINIMUM VARIANCE BAYESIAN INFORMATION CRITERION **Tae Jin Park, Panayiotis Georgiou** taejinpa@usc.edu, georgiou@sipi.usc.edu

(1)(2)(3)(4) $\widehat{\mathbf{w}} = \frac{\Sigma_b^{-1} \mathbf{1}}{\mathbf{1}^T \Sigma_b^{-1} \mathbf{1}}$ (5) • Objective of the Experiment: • Test the effect of the distances from interfering speakers to microphones • Fix distance between primary speakers to 5L

• Vary distances a1 and b1, keeping a1 = b1

• MVBIC gives lower DER than both of single stream diarization systems. Both features perform worse when interfering

speakers are near the primary speakers.



