

Meeting: 1005, Newark, Delaware, SS 6A, Special Session on High Dimensional Probability

1005-60-185 **Wenbo Li*** (wli@math.udel.edu), 501 Ewing Hall, Department of Mathematical Sciences,
University of Delaware, Newark, DE 19711. *Some Gaussian Inequalities and Conjectures.*

Gaussian inequalities, whose goal, loosely speaking, consists of searching for an inequality between dependent (complicated) and independent (simpler) structures that becomes an equality in certain (possibility limiting) cases. We will present several recent conjectures for Gaussian measure/vectors and their correctness in lower dimension. (Received February 08, 2005)