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**CLIFTON CUNNINGHAM**, University of Calgary

*Vogan's geometric perspective on local  $L$ -packets and  $A$ -packets*

This talk concerns Vogan's geometric perspective on the Langlands correspondence, which identifies irreducible admissible representations of a  $p$ -adic group  $G(F)$  and its pure inner forms with simple perverse sheaves on a moduli space of Langlands parameters. We will explain how to identify  $L$ -packets using this perspective and then explain Vogan's conjecture on how to identify  $A$ -packets using the geometry of this moduli space. We will then present evidence for this conjecture and progress toward a proof. This talk includes examples all these notions using unipotent representations of  $SO_5(F)$  and  $G_2(F)$ .