

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

**DELIGNE EXCEPTIONAL SERIES,
FEIGIN-FRENKEL CONJECTURE, AND
W-ALGEBRAS**

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March 16, 2016, 4:00 – 5:00pm
Math/Computer Science, Room B19
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: The Feigin-Frenkel conjecture is something to do with geometric characterization of admissible representations of affine Kac-Moody algebras. I will first review a weaker version of the Feigin-Frenkel conjecture and its application to W-algebras. Then I will proceed to discuss about a stronger version of the conjecture, where the Deligne exceptional series comes into play.

This is a joint work with Anne Moreau.

See <http://math.bu.edu/research/geom/seminar.html> or contact Siu Cheong Lau lau@math.bu.edu for more information.