

1077-14-11 **Edward Frenkel*** (frenkel@math.berkeley.edu). *Langlands Program, Trace Formulas, and their Geometrization, II*.

I will talk about the Langlands functoriality conjecture and an approach to proving it using the trace formula following my joint work with Robert Langlands and Ngo Bao Chau ([arXiv:1003.4578](https://arxiv.org/abs/1003.4578), [arXiv:1004.5323](https://arxiv.org/abs/1004.5323)). (Received September 19, 2011)