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**Glenn Stevens\*** ([ghs@math.bu.edu](mailto:ghs@math.bu.edu)), Department of Mathematics, 111 Cummington Street, Boston, 02215, and **Adrian Iovita**. *Sheaves of Analytic Families of Overconvergent  $p$ -adic Modular Forms*.

The talk will describe an Eichler-Shimura map from overconvergent cohomology to overconvergent  $p$ -adic modular forms. Our construction is based on a mixture of the cohomology of coherent sheaves and étale cohomology of local systems. In the same spirit, I will also construct a sheaf of “analytic families of overconvergent cohomology” and explain why we believe the sections of this sheaf to be analytic families of modular forms. (Received October 31, 2005)