

Publication List

Fred Diamond

- (1) *On congruence modules associated to Λ -adic forms*, *Compositio Mathematica* **71** (1989), 49–83.
- (2) *Congruence primes for cusp forms of weight $k \geq 2$* , *Astérisque* **196-197** (1991), 205–213.
- (3) *Non-optimal levels of mod ℓ modular representations*, (with R. Taylor), *Inventiones Mathematicae* **115** (1994), 435–462.
- (4) *Lifting modular mod ℓ representations* (with R. Taylor), *Duke Mathematical Journal* **74** (1994), 253–269.
- (5) *The refined conjecture of Serre*, in *Elliptic Curves, Modular Forms & Fermat’s Last Theorem*, J. Coates, S. T. Yau, eds., International Press (1995), 22–37.
- (6) *Modularity of a family of elliptic curves* (with K. Kramer), *Mathematical Research Letters* **2** (1995), 299–305.
- (7) *Modular forms and modular curves* (with J. Im), in *Seminar on Fermat’s Last Theorem*, V. K. Murty, ed., CMS Conference Proceedings **17** (1995), 39–133.
- (8) *Fermat’s Last Theorem* (with H. Darmon and R. Taylor), in *Current Developments in Mathematics, 1995*, R. Bott, A. Jaffe, M. Hopkins, I. Singer, D. Stroock, S. T. Yau, eds., International Press (1996), 1–154.
- (9) *On deformation rings and Hecke rings*, *Annals of Mathematics* **144** (1996), 137–166.
- (10) *The Taylor-Wiles construction and multiplicity one*, *Inventiones Mathematicae* **128** (1997), 379–391.
- (11) *Congruences between modular forms: Raising the level and dropping Euler factors*, *Proceedings of the National Academy of Sciences* **94** (1997), 11143–11146.
- (12) *An extension of Wiles’ results*, in *Modular Forms and Fermat’s Last Theorem*, G. Cornell, J. Silverman, G. Stevens, eds., Springer-Verlag (1997), 475–489.
- (13) *ℓ -adic modular deformations and Wiles’s “Main Conjecture”* (with K. Ribet), in *Modular Forms and Fermat’s Last Theorem*, G. Cornell, J. Silverman, G. Stevens, eds., Springer-Verlag (1997), 357–371.
- (14) *On the Hecke action on the cohomology of Hilbert-Blumenthal surfaces*, in *Number Theory*, V. K. Murty, M. Waldschmidt, eds., *Contemporary Mathematics*, **210** (1998), 71–83.

- (15) *Modularity of certain potentially Barsotti-Tate Galois representations* (with B. Conrad and R. Taylor), *Journal of the American Mathematical Society*, **12** (1999), 521–567.
- (16) *On the modularity of elliptic curves over \mathbf{Q} : Wild 3-adic exercises* (with C. Breuil, B. Conrad and R. Taylor), *Journal of the American Mathematical Society*, **14** (2001), 843–939.
- (17) *The Bloch-Kato conjecture for adjoint motives of modular forms* (with M. Flach and L. Guo), *Mathematical Research Letters* **8** (2001), 437–442.
- (18) *The Tamagawa number conjecture of adjoint motives of modular forms* (with M. Flach and L. Guo), *Annales Scientifiques de l'École Normale Supérieure* **37** (2004), 663–727.
- (19) *A First Course in Modular Forms* (with J. Shurman), *Graduate Texts in Mathematics* **228**, Springer, 2005.
- (20) *A correspondence between representations of local Galois groups and Lie-type groups*, in *L-functions and Galois representations*, D. Burns, K. Buzzard, J. Nekovář, eds., *LMS Lecture Notes* **320**, Cambridge University Press (2007), 187–206.