

Cambridge University Press

978-1-107-69192-6 - London Mathematical Society Lecture Note Series: 414: Automorphic Forms and Galois Representations: Volume 1

Edited by Fred Diamond, Payman L. Kassaei and Minhyong Kim

Table of Contents

[More information](#)

Contents

<i>List of contributors</i>	<i>page</i> vi
<i>Preface</i>	ix
1 A semi-stable case of the Shafarevich Conjecture <i>Victor Abrashkin</i>	1
2 Irreducible modular representations of the Borel subgroup of $\mathrm{GL}_2(\mathbf{Q}_p)$ <i>Laurent Berger and Mathieu Vienney</i>	32
3 p -adic L -functions and Euler systems: a tale in two trilogies <i>Massimo Bertolini, Francesc Castella, Henri Darmon, Samit Dasgupta, Kartik Prasanna, and Victor Rotger</i>	52
4 Effective local Langlands correspondence <i>Colin J. Bushnell</i>	102
5 The conjectural connections between automorphic representations and Galois representations <i>Kevin Buzzard and Toby Gee</i>	135
6 Geometry of the fundamental lemma <i>Pierre-Henri Chaudouard</i>	188
7 The p -adic analytic space of pseudocharacters of a profinite group and pseudorepresentations over arbitrary rings <i>Gaëtan Chenevier</i>	221
8 La série principale unitaire de $\mathrm{GL}_2(\mathbf{Q}_p)$: vecteurs localement analytiques <i>Pierre Colmez</i>	286
9 Equations différentielles p -adiques et modules de Jacquet analytiques <i>Gabriel Dospinescu</i>	359