

HORAIRE / *PROGRAM*

ATELIER

MÉTHODES P-ADIQUES DANS LA THÉORIE DES FORMES
AUTOMORPHES

9 au 14 mars 2015

WORKSHOP

*P-ADIC METHODS IN THE THEORY OF CLASSICAL
AUTOMORPHIC FORMS*

March 9–14, 2015

Conférences : salle 6254 (Pavillon André-Aisenstadt)

Pauses-café : salon Maurice-L'Abbé (salle 6245, Pavillon André-Aisenstadt)

Lectures: *Room 6254 (Pavillon André-Aisenstadt)*

Coffee Breaks: *Salon Maurice-L'Abbé (Room 6245, Pavillon André-Aisenstadt)*

Le lundi 9 mars 2015 / Monday, March 9, 2015

08:30–09:00 Inscrition (salle 5345) et café-croissants (salle 6245)
Registration (Room 5345) and Coffee & Croissants (Room 6245)

09:00–10:00 John Bergdall (Boston University)
“Arithmetic properties of Fredholm series”

10:15–11:15 Ruochuan Liu (Beijing International Center for Mathematical Research)
“The eigencurve is proper”

11:30–12:30 Benjamin Schraen (UVSQ)
“Classicality on eigenvarieties via patching - I”

12:30–14:30 Pause-déjeuner / *Lunch break*

14:30–15:30 Eugen Hellmann (Universität Bonn)
“Classicality on eigenvarieties via patching - II”

15:30–16:00 Pause-café / *Coffee break* (Salle / Room 6245)

16:00–17:00 Abdellah Mokrane (Université Paris 13)
“The overconvergent Hodge-Tate-Igusa map”

Le mardi 10 mars 2015 / *Tuesday, March 10, 2015*

08:30–09:00 Café croissants / *Coffee & Croissants* (Salle / Room 6245)

09:00–10:00 Ruochuan Liu (Beijing International Center for Mathematical Research)
“Eigencurve over the boundary of the weight space”

10:15–11:15 Vincent Pilloni (ENS Paris)
“The spectral halo - I”

11:30–12:30 Fabrizio Andreatta (Universita Statale di Milano)
“The spectral halo - II”

12:30–14:30 Pause-déjeuner / *Lunch break*

14:30–15:30 Michael Harris (Columbia University)

15:30–15:45 Pause-café / *Coffee break* (Salle / Room 6245)

15:45–16:45 George Boxer (Harvard University)
“Torsion in the coherent cohomology of Shimura varieties and Galois representations”

16:45–17:00 Michael Harris (Columbia University)
“Mathematics without apologies”

17:00– Réception vins et fromages / *Wine-and-cheese reception* (Salle / Room 6245)

17:00– Signature de livre - Michael Harris "Mathematics without apologies" (Salle 6245)
Book signing - Michael Harris "Mathematics without apologies" (Room 6245)

Le mercredi 11 mars 2015 / Wednesday, March 11, 2015

09:30–10:15 Café croissants / *Coffee & Croissants* (Salle / Room 6245)

10:15–11:15 Sug Woo Shin (UC Berkeley)
“Galois representations for general symplectic groups”

11:30–12:30 Ana Caraiani (Princeton University)
“Patching and p -adic local Langlands”

12:30–14:30 Pause-déjeuner / *Lunch break*

14:30–15:30 Laurent Berger (ENS de Lyon)
“Multivariable (ϕ, Γ) -modules for Lubin–Tate extensions”

15:30–16:00 Pause-café / *Coffee break* (Salle / Room 6245)

16:00–17:00 Jonathan Pottharst
“On the parity conjecture in p -adic analytic families”

Le jeudi 12 mars 2015 / *Thursday, March 12, 2015*

08:30–09:00 Café croissants / *Coffee & Croissants* (Salle / Room 6245)

09:00–10:00 Kai-Wen Lan (University of Minnesota)
“Compactifications of PEL-type Shimura varieties in ramified characteristics”

10:15–11:15 Yichao Tian (Chinese Academy of Science)
“Canonical subgroups for π -divisible O -modules”

11:30–12:30 Benoit Stroh (Université Paris 13 - Paris Nord)
“Perfectoid Siegel varieties and applications”

12:30–14:30 Pause-déjeuner / *Lunch break*

14:30–15:30 Jacques Tilouine (Université Paris 13)
“Big image of Galois representations associated to p -adic families of bounded slope”

15:30–16:00 Pause-café / *Coffee break* (Salle / Room 6245)

Colloque des sciences mathématiques du Québec (salle/Room 1360)

16:00–17:00 Pierre Colmez (Université Pierre et Marie Curie)
“The upper half-planes”

Le vendredi 13 mars 2015 / *Friday, March 13, 2015*

08:30–09:00 Café croissants / *Coffee & Croissants* (Salle / Room 6245)

09:00–10:00 Guido Kings (Universität Regensburg)
“Euler systems and the equivariant Tamagawa number conjecture, an introduction”

10:15–11:15 Antonio Lei (Université Laval)
“Beilinson-Flach elements on product of modular curves and modular surfaces”

11:30–12:30 Guido Kings (Universität Regensburg)
“Explicit reciprocity laws via the Eisenstein-Iwasawa class”

12:30–14:30 Pause-déjeuner / *Lunch break*

14:30–15:30 Carlos de Vera Piquero (Universität Duisburg-Essen)
“Towards a p -adic construction of Heegner points in the additive reduction case”

15:30–16:00 Pause-café / *Coffee break* (Salle / Room 6245)

16:00–17:00 Matteo Longo (Università di Padova)
“Big Heegner points and special values of L -series”

Le samedi 14 mars 2015 / *Saturday, March 14, 2015*

08:30–09:00 Café croissants / *Coffee & Croissants* (Salle / Room 6245)

09:00–10:00 Marco Seveso (Università degli Studi di Milano)
“On the quaternionic motives of odd weight modular forms”

10:15–11:15 Francesc Castella (UCLA)
“ p -adic heights of Heegner points and Beilinson-Flach elements”

11:30–12:30 Kazim Büyükboduk (Koc University)
“On the exceptional zeros of non- p -ordinary p -adic L -functions”