

Hausdorff School on
“The Emerton Gee Stack”

9 to 13 September 2019

organized by
Johannes Anschütz, Arthur-Cesar Le Bras, Andreas Mikatsch

• Monday, September 9

08:30 - 09:00	Self Registration
09:00 - 10:00	Matthew Emerton <i>Moduli stacks of (φ, Γ)-modules</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 11:30	Toby Gee <i>Moduli stacks of (φ, Γ)-modules</i>
11:30 - 11:45	<i>Coffee break</i>
11:45 - 12:45	Bao Le Hung <i>Algebraic models of Galois deformation spaces</i>
12:45 - 14:30	<i>Lunch break</i>
14:30 - 15:30	Ariane Mézard <i>Potentially Barsotti-Tate deformation rings</i>
15:30 - 16:00	<i>Coffee break</i>
16:00 - 17:00	Sebastian Bartling <i>Crystalline Representations and Breuil-Kisin modules</i>

• Tuesday, September 10

09:00 - 10:00	Matthew Emerton <i>Moduli stacks of (φ, Γ)-modules</i>
10:00 - 10:30	<i>Group photo and coffee break</i>
10:30 - 11:30	Toby Gee <i>Moduli stacks of (φ, Γ)-modules</i>
11:30 - 11:45	<i>Coffee break</i>
11:45 - 12:45	Bao Le Hung <i>Algebraic models of Galois deformation spaces</i>

12:45 - 14:30	<i>Lunch break</i>
14:30 - 15:30	Vytas Paskunas <i>The p-adic Langlands program and the Breuil-Mézard conjecture</i>
15:30 - 16:00	<i>Coffee break</i>
16:00 - 17:00	Stefano Morra <i>Discussion Session 1</i>

• **Wednesday, September 11**

09:00 - 10:00	Toby Gee <i>Moduli stacks of (φ, Γ)-modules</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 11:30	Toby Gee <i>Moduli stacks of (φ, Γ)-modules</i>
11:30 - 12:00	<i>Coffee break</i>
12:00 - 13:00	Bao Le Hung <i>Algebraic models of Galois deformation spaces</i>
<i>afterwards</i>	<i>Lunch break and free afternoon</i>

• **Thursday, September 12**

09:00 - 10:00	Matthew Emerton <i>Moduli stacks of (φ, Γ)-modules</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 11:30	Matthew Emerton <i>Moduli stacks of (φ, Γ)-modules</i>
11:30 - 11:45	<i>Coffee break</i>
11:45 - 12:45	Bao Le Hung <i>Algebraic models of Galois deformation spaces</i>
12:45 - 14:30	<i>Lunch break</i>
14:30 - 15:30	James Newton <i>The Breuil-Mézard conjecture and automorphy</i>
15:30 - 16:00	<i>Coffee break</i>
16:00 - 17:00	Ana Caraiani <i>Discussion Session 2</i>
<i>afterwards</i>	<i>Reception in the Mathematics Centre</i>

• **Friday, September 13**

09:00 - 10:00	Toby Gee <i>Moduli stacks of (φ, Γ)-modules</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 11:30	Matthew Emerton <i>Moduli stacks of (φ, Γ)-modules</i>
11:30 - 11:45	<i>Coffee break</i>
11:45 - 12:45	Bao Le Hung <i>Algebraic models of Galois deformation spaces</i>
12:45 - 14:30	<i>Lunch break</i>
14:30 - 15:30	Axel K\"olschbach <i>Prismatic and Breuil-Kisin cohomology</i>

All talks take place at the Lipschitz-Saal (room 1.016), Endenicher Allee 60, Bonn.