

# Workshop on p-adic Geometry (18–22 Nov 2024)

## Organizing Committee

Wee Teck Gan

David Hansen

*National University of Singapore*



## Venue

18 to 21 Nov

LT34

Block S17 Level 3,  
10 Lower Kent Ridge Road  
Singapore 119706

22 Nov

LT32

Science Drive 3  
Singapore 117542



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For more information:  
<https://ims.nus.edu.sg/events/p-adicgeometry/>

# Workshop on p-adic Geometry

## (18 Nov – 22 Nov 2024)

### Monday, 18 November 2024

Time	Title	Speaker
0900–0930	Registration	
0930–1030	p-adic Trace and (generalized) Poincare Duality (Talk 1)	Shizhang Li <i>Morningside Center of Mathematics, China</i>
1030–1100	Tea Break	
1100–1200	p-adic Trace and (generalized) Poincare Duality (Part 2)	Shizhang Li <i>Morningside Center of Mathematics, China</i>
1200–1400	Lunch Break	
1400–1500	Emerton's Factorization of Completed Cohomology (Part 1)	Pierre Colmez <i>Institut de Mathématiques de Jussieu, France</i>
1500–1530	Tea Break	
1530–1630	Emerton's Factorization of Completed Cohomology (Part 2)	Pierre Colmez <i>Institut de Mathématiques de Jussieu, France</i>

### Tuesday, 19 November 2024

Time	Title	Speaker
0915–0930	Registration	
0930–1030	p-adic Trace and (generalized) Poincare Duality (Part 3)	Shizhang Li <i>Morningside Center of Mathematics, China</i>
1030–1100	Group Photo & Tea Break	
1100–1200	p-adic Trace and (generalized) Poincare Duality (Part 4)	Shizhang Li <i>Morningside Center of Mathematics, China</i>
1200–1400	Lunch Break	
1400–1500	Emerton's Factorization of Completed Cohomology (Part 3)	Pierre Colmez <i>Institut de Mathématiques de Jussieu, France</i>
1500–1530	Tea Break	

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Tuesday, 19 November 2024		
Time	Title	Speaker
1530–1630	Emerton’s Factorization of Completed Cohomology (Part 4)	Pierre Colmez <i>Institut de Mathématiques de Jussieu, France</i>
Wednesday, 20 November 2024		
Time	Title	Speaker
0915–0930	Registration	
0930–1030	Six-functor Formalisms and Categorical Langlands (Part 1)	Lucas Mann <i>University of Münster, Germany</i>
1030–1100	Tea Break	
1100–1200	Six-functor Formalisms and Categorical Langlands (Part 2)	Lucas Mann <i>University of Münster, Germany</i>
1200–1400	Lunch Break	
1400–1500	Co-Whittaker families for quasi-split groups	David Helm <i>Imperial College London, UK</i>
1500–1530	Tea Break	
1530–1630	Cohomology of log prismatic F-crystals	Teruhisa Koshikawa <i>RIMS, Kyoto University, Japan</i>
1630–1645	Tea Break	
1645–1745	Pointwise criterion for p-adic local systems	Ziquan Yang <i>Chinese University of Hong Kong, Hong Kong SAR</i>
Thursday, 21 November 2024		
Time	Title	Speaker
0915–0930	Registration	
0930–1030	Duality Theorems in p-adic Analytic Geometry (Part 1)	Wiesława Nizioł <i>Institut de Mathématiques de Jussieu, France</i>
1030–1100	Tea Break	
1100–1200	Duality Theorems in p-adic Analytic Geometry (Part 2)	Wiesława Nizioł <i>Institut de Mathématiques de Jussieu, France</i>
1200–1400	Lunch Break	
1400–1500	Six-functor Formalisms and Categorical Langlands (Part 3)	Lucas Mann <i>University of Münster, Germany</i>
1500–1530	Tea Break	

## Workshop on p-adic Geometry

Thursday, 21 November 2024		
Time	Title	Speaker
1530–1630	Six-functor Formalisms and Categorical Langlands (Part 4)	Lucas Mann <i>University of Münster, Germany</i>
Friday, 22 November 2024		
Time	Title	Speaker
0915–0930	Registration	
0930–1030	Duality Theorems in p-adic Analytic Geometry (Part 3)	Wiesława Nizioł <i>Institut de Mathématiques de Jussieu, France</i>
1030–1100	Tea Break	
1100–1200	Duality Theorems in p-adic Analytic Geometry (Part 4)	Wiesława Nizioł <i>Institut de Mathématiques de Jussieu, France</i>

This schedule is accurate as of 22 Nov 2024 and is subjected to changes.