



Pacific Institute *for the*  
Mathematical Sciences

# 2020 PIMS - GERMANY SUMMER SCHOOL ON EIGENVARIETIES

The University of British Columbia  
July 27 - August 8, 2020



The subject of eigencurves lies somewhere between classical arithmetic geometry represented in Canada, and p-adic geometry which is well-represented in Germany, and this we propose to take advantage of the complementary expertise and the broad outlines of a PIMS/Germany collaboration to organize an event where both sides can benefit. Thus, the proposed workshop on eigenvarieties will be an instructional school for students, postdocs, and researchers in other fields. The goal is to provide beginners with a working knowledge of this immensely active and important field, and to encourage collaborations between German researchers and those at PIMS Institutes around the general workshop themes.

The goal of the course will be to understand the foundational work of Coleman, and Coleman-Mazur, and eventually to study the paper on the generalization to the higher dimensional case given by Buzzard.

## Invited speakers\*

David Hansen, Max Planck Institute, Germany  
Eugen Hellmann, University of Münster, Germany  
Christian Johansson, Chalmers Institute of Technology, Sweden  
Judith Ludwig, University of Heidelberg, Germany  
James Newton, King's College, England

\*Others To be confirmed

## Organizers

Sujatha Ramdorai, UBC  
Peter Schneider, University of Münster  
Vinayak Vatsal, UBC  
Otmar Venjakob, University of Heidelberg

## More Info:

To register for this event, please send an application to [eigenvalues@pims.math.ca](mailto:eigenvalues@pims.math.ca).  
Funding opportunities are available for junior participants. See the website for more details.

REGISTER HERE: [HTTPS://WWW.PIMS.MATH.CA/SCIENTIFIC-EVENT/200727-PGSSE](https://www.pims.math.ca/scientific-event/200727-PGSSE)