

# Florent Schaffhauser

Heidelberg University



## About me

PhD. in Mathematics working in academia since 2005, with experience in Japan, Colombia, France and Germany.

Committed to inclusive and accessible higher education, with a keen interest in the use of technology in the classroom.

## Personal data

Born 31 July 1979, French citizenship. Single, no children.

## Areas of specialization

- Algebraic geometry
- Differential geometry
- Computer-assisted mathematics

## Interests

Creation of educational resources • Dissemination of knowledge • Development of digital learning

## Languages

**French**  
Native language  
**English**  
Fluent  
**Spanish**  
Fluent  
**Japanese**  
JLPT N3  
**German**  
CEFR A2-B1

## Programming skills

**Functional/Object**  
Sagemath, Python, R • Lean  
**Markup**  
 $\text{\LaTeX}$  • Markdown • HTML, CSS, MathML  
**Software**  
Microsoft Word, Excel and Powerpoint • Apple Keynote

## SCIENTIFIC CAREER

2022–now	<b>Professor &amp; Lab Manager</b> RUPRECHT KARLS UNIVERSITÄT · Heidelberg 1 publication. 4 courses taught. 2 students supervised.	
2012–2022	<b>Associate Professor</b> UNIVERSIDAD DE LOS ANDES · Bogotá 13 publications. 18 courses taught. 11 students supervised.	
2010–2012	<b>Assistant Professor</b> UNIVERSIDAD DE LOS ANDES · Bogotá 2 publications. 8 courses taught. 4 students supervised.	
2009–2010	<b>Guest Scientist</b> MAX PLANCK INSTITUTE FOR MATHEMATICS · Bonn Research project: Yang-Mills equations over Klein surfaces.	
2005–2009	<b>Postdoctoral Fellow</b> KEIO UNIVERSITY · Yokohama 5 publications.	

## POSTGRADUATE EDUCATION

2019	<b>Habilitation Thesis</b> UNIV. DE STRASBOURG ·	
2005	<b>PhD. in Mathematics</b> UNIV. PARIS 6 ·	
2002	<b>M.Sc. in Mathematics</b> UNIV. PARIS 7 ·	
2001	<b>M.Sc. in Economics</b> HEC PARIS ·	

## TEACHING EXPERIENCE

Riemann surfaces • Complex analysis • Differential geometry • Measure theory and integration • Algebraic varieties • Geometric Invariant Theory • Vector bundles on algebraic curves • Symplectic geometry • Linear algebra • Differential equations • Vector calculus

## INSTITUTIONAL

## RESPONSIBILITIES

2023–now	HEGL Lab Manager, Heidelberg University.
2017–2021	Committee for Gender Equity, Colombian Society of Mathematics.
2017–2018	Committee for Inter-Curricular Reform, Universidad de Los Andes.
2016–2018	Chair of the Graduate Committee, Universidad de Los Andes.

## AWARDS AND GRANTS

2020–2022	Residence Fellowship (part-time) from the University of Strasbourg Institute for Advanced Study.
2018–2020	Marie Curie Fellowship from the Horizon 2020 Research and Innovation Programme.
2007–2009	Lavoisier Fellowship from the French Ministère des Affaires Étrangères.
2005–2007	Postdoctoral Fellowship from the Japanese Society for the Promotion of Science.

## INVITED LECTURES

2022	BIRS, Oaxaca. <i>Twisted local systems and Higgs bundles for non-constant groups.</i>
2021	Waseda University, Tokyo. <i>Non-abelian Hodge theory.</i>
2014	CRM, Barcelona. <i>Klein surfaces and their fundamental group.</i>
2007	Asahikawa Winter School. <i>Quasi-Hamiltonian spaces.</i>

## STUDENT TRAINING ACTIVITIES

2017	Research School on Arithmetic and Dynamics, Bogotá.
2014	CIMPA Research School on Real Algebraic Geometry, Villa de Leyva.