

Research Seminars / Advanced Student Seminars

Oberseminar: Algebraische Geometrie <i>J. Ayoub, C. Okonek, G. Wüstholz</i>	Mo 13:15 Y27-H-25
Seminar on 2D TQFTs <i>D. Tubbenhauer</i>	Mo 13:00 Y27-H-12
Symplectic Geometry Seminar <i>P. Biran, A. Cannas da Silva</i>	Mo 15:15 HG G 43
Ergodic Theory and Dynamical Systems Seminar <i>M. Akka Ginosar, A. Avila, O. David, M. Einsiedler, A. Gorodnik, C. Ulcigrai</i>	Mo 15:30 Y27-H-25
Optimization Seminar * <i>R. Weismantel, R. Zenklusen</i>	Mo 16:30 HG G 19.1
Seminar in Theoretical Computer Science <i>E. Welzl, B. Gärtner, M. Hoffmann, J. Lengler, A. Steger, B. Sudakov</i>	Tu 12:15/ Th 12:15 CAB G 51
Analysis Seminar <i>A. Carlotto, F. Da Lio, A. Figalli, N. Hungerbühler, T. Ilmanen, T. Kappeler, T. Riviere, M. Struwe</i>	Tu 15:15 HG G 43
Epidemiology and Biostatistics Methods Seminar <i>T. Hothorn, M. Puhani</i>	We 14:00 HRS F05
Arbeitsgemeinschaft in Codierungstheorie und Kryptographie <i>E. Gorla, J. Rosenthal</i>	We 15:00 Y27-H-12
Geometry Seminar <i>M. Burger, M. Einsiedler, A. Iozzi, U. Lang, V. Schroeder, A. Sisto</i>	We 15:45 HG G 43
Zurich Colloquium in Applied and Computational Mathematics* <i>R. Abgrall, R. Alajfari, H. Ammari, R. Hiptmair, A. Jentzen, C. Jerez Hanckes, S. Mishra, S. Sauter, C. Schwab</i>	We 16:15 HG E 1.2

* dates/times by announcement

** limited number of particip. => registr. has to be confirmed

Seminar on Stochastic Processes <i>J. Bertoin, A. Nikeghbali, B. Schlein, A.-S. Sznitman, V. Tassion, W. Werner</i>	We 17:15 HG G 43
Student Seminar in Probability ** <i>J. Bertoin, A.-S. Sznitman, V. Tassion, W. Werner</i>	Th 15:00 Y27-H-12
Talks in Mathematical Physics <i>A. Cattaneo, G. Felder, M. Gaberdiel, G.-M. Graf, T. H. Willwacher</i>	Th 15:15 HG G 43
PDE and Mathematical Physics <i>T. Kappeler, X. Ros-Oton, B. Schlein</i>	Th 15:00 Y27-H-46
Research Seminar in Applied Statistics * <i>R. Furrer</i>	Th 16:15 Y27-H-46
Talks in Financial and Insurance Mathematics * <i>P. Cheridito, M. Schweizer, M. Soner, J. Teichmann, M. V. Wüthrich</i>	Th 17:15 HG G 43
Number Theory Seminar <i>Ö. Imamoglu, P. S. Jossen, E. Kowalski, P. D. Nelson, R. Pink, G. Wüstholz</i>	Fr 14:15 HG G 43
ZüKoSt: Seminar on Applied Statistics * <i>R. Furrer, L. Held, T. Hothorn, M. Kalisch, M. Maathuis, M. Mächler, L. Meier, N. Meinshausen, M. Robinson, C. Strobl, S. Van de Geer</i>	Fr 15:15 HG G 19.1
Research Seminar on Statistics * <i>L. Held, T. Hothorn, D. Kozbur, M. H. Maathuis, N. Meinshausen, S. Van de Geer, M. Wolf</i>	Fr 15:15 HG G 19.1
Algebraic Geometry and Moduli Seminar * <i>R. Pandharipande</i>	Fr 16:15 HG G 43

For more informations see:

<http://www.math.ethz.ch/research/seminars>

<http://www.math.uzh.ch/index.php?id=oberseminare>

Colloquia

Zurich Colloquium in Mathematics

alternating with

R. Abgrall, J. Ayoub, C. De Lellis, A. Iozzi, S. Mishra, R. Pandharipande
Tuesday 17:15-18:30

room: UZH KO2 F-150

Zurich Graduate Colloquium

C. De La Cruz, A. Iozzi, J. Lorand, N. Moshayedi, N. Müller, J. Schmitt

Tuesday 17:15-18:30

room: UZH KO2 F-150

German Language Courses

Level A1 Course

Requirement: No or little knowledge of German.
Goal: Enable communication in German, focus on comprehension and speaking skills. Two double lessons a week.

Level A2.2/B1.1 Course

Requirement: Solid knowledge of German.
Goal: Free oral use of German language, good reading and some writing skills. Two double lessons a week.

Level B2.1 Course

Requirement: Successfully completed B1 level.
Goal: Deepening of grammar and vocabulary, deepening of oral and writing skills (structured), understanding of complex texts. Two double lessons a week.

If you are interested in one of the announced courses, please contact us at info@zgsm.ch. You will then receive further information by e-mail.

Social Activities

Fondue

The Graduate School organizes its fondue evening on **Thursday, December 20 2018** at the Irchel Campus (Cafeteria Atrium), starting at 18:30. All faculty members, PhD students and postdocs of the ZGSM are invited. Please note the date.

Stammtisch

After the Zurich Graduate Colloquium, PhD students and postdocs usually meet in front of the lecture room for a pizza snack. These meetings are a chance to get to know each other better. The new PhD students and postdocs are particularly welcome.

Soccer

Join the weekly soccer match at the Irchel campus. Details and contact: info@zgsm.ch.

Impressum

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Zurich Graduate School in Mathematics

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Issue No 25 - Fall Semester 2018

Welcome

We welcome at the Zurich Graduate School in Mathematics (ZGSM):

PhD students

Gianira Alfarano (UZH)
Younghan Bae (ETH)
Thomas Braas (ETH)
Tim Büllles (ETH)
Nicola Capacci (UZH)
Daniel J. Contreras Salinas (ETH)
Bryn Davies (ETH)
Luca De Rosa (ETH)
Patricia Dietzsch (ETH)
Giada Franz (ETH)

Tandri Gauksson (ETH)
Balint Gersey (ETH)
Federico Glaudo (ETH)
Carina Heiss (ETH)
Kthim Imeri (ETH)
Emil Jacobsen (UZH)
Genta Latifi (UZH)
Matthias Lehmkuhler (ETH)
Nicolas Müller (ETH)
Alessio Pellegrini (ETH)

Marco Petrella (ETH)
David Pires Tavares Martins (ETH)
Davide Ravotti (UZH)
Lisa Ricci (ETH)
Oliver Rietmann (ETH)
Erick Schulz (ETH)
Meta-Lina Sohn (ETH)
Simone Steinbrüchel (UZH)
Bian Wu (ETH)

Postdocs

Nicola Abatangelo (UZH)
Charalampos Angelidakis (ETH)
Wasilij Barsukow (UZH)
Hardy Chan (ETH)
Matthew Cordes (ETH)
Ofir David (UZH)
Arthur Forey (ETH)
Konstantin Golubev (ETH)

Lukas Gonon (ETH)
Yukun He (UZH)
Erik Hiltunen (ETH)
Dorothea Hug-Peter (UZH)
Kseniya Ivanova (UZH)
Asgar Jamneshan (ETH)
Kristin Kirchner (ETH)
Philipp Öffner (UZH)

Doosung Park (UZH)
Gabriele Rembado (ETH)
Gleb Smirnov (ETH)
Zsolt Adam Wagner (ETH)
Larisa Yaroslavtseva (ETH)

Faculty & Lecturers

Artur Avila (UZH)

Alexander Gorodnik (UZH)

Corinna Ulcigrai (UZH)

Congratulations

The following members have successfully completed their PhD exams:

Charel Antony (ETH)
Jonas Beyrer (UZH)
Dante Bonolis (ETH)
Vincent Braunack-Mayer (UZH)
Christian Brennecke (UZH)
Roxana Curtici (UZH)
Brian Fitzpatrick (ETH)
Felix Hensel (ETH)
Emma Hovhannisyan (UZH)
Yash Jhaveri (ETH)
Nina Kamcev (ETH)

Ryan Kurniawan (ETH)
Matthew Kwan (ETH)
Pengyu Le (ETH)
Filippo Leonardi (ETH)
Kathrin Näf (ETH)
Jakob Oesinghaus (UZH)
Emilija Perkovic (ETH)
Simon Pintarelli (ETH)
Max Reppen (ETH)
Francisco Romero Hinrichsen (ETH)
Tovohery Randrianarisoa (UZH)

Dominik Rothenhäusler (ETH)
Junliang Shen (ETH)
Sara Svaluto-Ferro (ETH)
Gian-Andrea Thanei (ETH)
Samuel Trautwein (ETH)
Carolina Urzúa Torres (ETH)
Yannick Widmer (UZH)
Wei Wu (ETH)

Course Program

Please find enclosed the course program of the fall semester 2018. In particular we would like to invite you to the Zurich Colloquium in Mathematics and the Zurich Graduate Colloquium. See separate announcements for further details.

GRADUATE COURSE PROGRAM FALL 2018

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8		Mathematical Finance (V) M. Schweizer - 3 KE 08:15 - 10:00 -- ETH HG D 1.1 Fundamentals of Mathematical Statistics (V) S. Van de Geer - 2 KE 08:15 - 10:00 -- ETH HG E 1.1	Numerical Methods for Elliptic and Parabolic PDEs (V) S. Sauter - 3 KE 08:00 - 09:45 -- UZH Y27-H-25	Numerical Methods for Elliptic and Parabolic PDEs (V) S. Sauter 08:00 - 09:45 -- UZH Y27-H-25 Randomized Algorithms and Probabilistic Methods (V) A. Steger 08:15 - 10:00 -- ETH CAB G 51 Mathematical Finance (V) M. Schweizer 08:15 - 10:00 -- ETH HG D 1.1 Introduction to Lie Groups (G) *** M. Burger 08:15 - 10:00 -- ETH HG D 3.2 Quantum Field Theory I (V) A. Gehrmann-De Ridder 08:45 - 10:30 -- ETH HPV G 5	
9	Statistical Analysis of High-Throughput Genomic & Transcript. Data (V) H. Rehrauer - 3 KE 09:00 - 11:00 -- UZH Y34-F-01	Generalized Regression (V) T. Hothorn - 3 KE 09:00 - 11:00 -- UZH Y27-H-46 Introduction to Geometric Measure Theory (V) U. Lang - 2 KE 09:15 - 10:00 -- ETH HG D 3.2 Introduction to String Theory (V) B. Hoare - 2 KE 09:00 - 10:45 -- ETH HIL F 10.3	Likelihood Inference/Applied Mathematical Statistics (V) R. Furrer - 3 KE 09:00 - 11:00 -- UZH Y27-H-12 Time Series Analysis (G) N. Meinshausen - 2 KE 09:15 - 10:00 -- ETH HG D 7.1 Introduction to String Theory (U) B. Hoare 09:45 - 10:30 -- ETH HIT F 13 => or Fri 11:45	Clinical Biostatistics (U) L. Held 09:00 - 09:45 -- UZH HRS F05	Quantum Field Theory I (U) * => or Thursday 14:45 A. Gehrmann-De Ridder 09:45 - 11:30 -- ETH HIT J 53 / HIT K 52
10	Mathematical & Computational Methods in Photonics (G) H. Ammari - 3 KE 10:15 - 12:00 -- ETH HG G 26.5 Algebraic Geometry (V) J. Ayoub - 2 KE 10:15 - 12:00 -- UZH Y27-H-28	Dynamical Systems and Ergodic Theory (G) Corinna Ulcigrai - 3 KE 10:15 - 12:00 -- UZH Y27-H-25 Algebraic Geometry (V) J. Ayoub 10:15 - 12:00 -- UZH Y27-H-28 Introduction to Lie Groups (G) M. Burger - 3 KE 10:15 - 12:00 -- ETH HG D 5.2 Trends in Stochastic Portfolio Theory (V) M. Larsson - 1 KE 10:15 - 12:00 -- ETH LFW C 1 Advanced Algorithms (V) M. Ghaffari, A. Krause - 2 KE 10:15 - 12:00 -- ETH CAB G 61 Elliptische Kurven und Kryptographie (V) L. Halbeisen - 2 KE 10:15 - 12:00 -- ETH HG D 3.2	Geometry of Surfaces (V) S. Baader - 2 KE 10:15 - 12:00 -- ETH HG G 43 Mathematical and Computational Methods in Photonics (G) H. Ammari 10:15 - 12:00 -- ETH HG G 26.5 Algebraic Topology I (G) P. Biran - 3 KE 10:15 - 12:00 -- ETH HG D 3.2 Numerical Methods for Elliptic and Parabolic PDEs (U) S. Sauter 10:15 - 12:00 -- UZH Y27-H-25 => or Thu 10:15 Fundamentals of Mathematical Statistics (V) S. Van de Geer 10:15 - 12:00 -- ETH HG E 1.1 Topics on the Gaussian Free Field (V) W. Werner - 2 KE 10:15 - 12:00 -- ETH HG D 5.2 Statistical Physics (U) => or Tue or Fri G. Blatter 10:45 - 12:30 -- ETH HIT F 13 / K 51	Clinical Biostatistics (V) L. Held - 3 KE 10:15 - 12:00 -- UZH HRS F05 Fundamentals of Mathematical Statistics (V) S. Van de Geer 10:15 - 12:00 -- ETH HG E 1.1 Numerical Methods for Elliptic and Parabolic PDEs (U) S. Sauter 10:15 - 12:00 -- UZH Y27-H-26 => or Wed 10:15 Time Series Analysis (G) N. Meinshausen 10:15 - 12:00 -- ETH HG D 1.1 Reading Course: Reduced Basis Methods (G) R. Hiptmair - 2 KE 10:15 - 12:00 -- ETH ML J 34.3 Probabilistic Methods in Combinatorics (V) B. Sudakov - 2 KE 10:15 - 12:00 -- ETH HG D 7.2 Introduction to Geometric Measure Theory (V) U. Lang 10:15 - 12:00 -- ETH HG F 26.5	Mathematical Finance (U) M. Schweizer 10:15 - 12:00 -- ETH HG D 1.1 Introduction to Compressive Sensing (V) G. Genovesse 10:15 - 12:00 -- UZH Y27-H-12 Smoothing & Nonparametric Regr. with Examples (G) S. Beran-Ghosh - 2 KE 10:15 - 12:00 -- ETH HG E 21 Advanced Algorithms (U) M. Ghaffari, A. Krause 10:15 - 12:00 -- ETH CAB G 59
11	Statistical Analysis of High-Throughput Genomic & Transcript. Data (U) H. Rehrauer 11:15 - 12:00 -- UZH Y11-J-05	Generalized Regression (U) T. Hothorn 11:15 - 12:00 -- UZH Y27-H-46	Likelihood Inference/Applied Mathematical Statistics (U) R. Furrer 11:15 - 12:00 -- UZH Y27-H-12		Introduction to String Theory (U) B. Hoare 11:45 - 12:30 -- ETH HIT F 13 => or Wed 09:45
12		Fundamentals of Mathematical Statistics (U) S. Van de Geer 12:15 - 13:00 -- ETH HG E 1.1 Statistical Physics (V) G. Blatter - 3 KE 12:45 - 14:30 -- ETH HPV G 5	Topics in Analytic Inequalities (V) M. Rassias - 1 KE 12:15 - 13:45 -- UZH Y27-H-46		
13	Integro-Differential Elliptic Equations (V) Xavier Ros-Oton - 3 KE 13:00 - 14:45 -- UZH Y27-H-46 Quantum Field Theory I (V) A. Gehrmann-De Ridder - 3 KE 13:45 - 15:30 -- ETH HPV G 5	Integro-Differential Elliptic Equations (V) Xavier Ros-Oton 13:00 - 14:45 -- UZH Y27-H-46 Randomized Algorithms and Probabilistic Methods (V) A. Steger - 2 KE 13:15 - 14:00 -- ETH CAB G 51	Numerical Analysis of Stochastic ODEs (V) ** A. Jentzen, L. Yaroslavtseva 13:15 - 14:00 -- ETH HG E 1.1 Introduction to Compressive Sensing (G) G. Genovesse - 3 KE 13:00 - 14:45 -- UZH Y27-H-12 Regularity Structures (V) J. Teichmann - 2 KE 13:15 - 15:00 -- ETH HG F 26.5 Information Theory I (G) A. Lapidoth - 3 KE 13:15 - 17:00 -- ETH ETF E 1 Dynamical Systems and Ergodic Theory (G) Corinna Ulcigrai 13:00 - 14:45 -- UZH Y27-H-28 Elliptische Kurven und Kryptographie (V) L. Halbeisen 13:15 - 14:00 -- ETH HG D 7.1 Statistical Physics (V) G. Blatter 13:45 - 15:30 -- ETH HPV G 5	Fourier Analysis in Function Space Theory (V) T. Riviere - 2 KE 13:15 - 15:00 -- ETH HG G 43 Ising Model and Its Geometric Representations (V) V. Tassion - 2 KE 13:15 - 15:00 -- ETH HG F 3 Image Analysis And Computer Vision (V) L. Van Gool, O. Göksele, E. Konukoglu - 2 KE 13:15 - 16:00 -- ETH ETF C 1	Algebraic Topology I (G) P. Biran 13:15 - 15:00 -- ETH HG D 3.2
14		Stochastic Simulation (G) F. Sigrist - 2 KE 14:15 - 17:00 -- ETH ML F 36 Statistical Physics (U) => or Wed or Fri G. Blatter 14:45 - 16:30 -- ETH HIT J 53 / HPK D 24.2	Numerical Analysis of Stochastic ODEs (U) ** A. Jentzen 14:15 - 15:00 -- ETH HG E 1.1 => or 15:15 in D 7.1 Elliptische Kurven und Kryptographie (U) L. Halbeisen 14:15 - 15:00 -- ETH HG D 7.1	Convex Optimization in Machine Learning & Comp. Fin. (V) P. Cheridito, M. Baes - 1 KE 14:15 - 16:00 -- ETH HG D 7.2 Quantum Field Theory I (U) * => or Friday 09:45 A. Gehrmann-De Ridder 14:45 - 16:30 -- ETH HCI J 6 / HIT K 51	Statistical Physics (U) => or Tue or Wed G. Blatter 14:45 - 16:30 -- ETH HCP E 47.1
15	Numerical Analysis of Stochastic ODEs (V) ** A. Jentzen, L. Yaroslavtseva - 2 KE 15:15 - 17:00 -- ETH HG E 1.2	Advanced Topics in Field Theory (V) A. Cattaneo - 2 KE 15:00 - 17:00 -- UZH Y27-G-28	Poisson Geometry and Deformation Quantization (V) Pavel Safronov - 1 KE 15:00 - 17:00 -- UZH Y27-H-25 Numerical Analysis of Stochastic ODEs (U) ** A. Jentzen 15:15 - 15:00 -- ETH HG D 7.1 => or 14:15 in E 1.1	Enumerative Combinatorics (V) M. Bouvel - 2 KE 15:00 - 17:00 -- UZH Y27-H-28	
16		Randomized Algorithms and Probabilistic Methods (U) A. Steger 16:15 - 18:00 -- ETH CAB G 51		Image Analysis And Computer Vision (U) L. Van Gool, O. Göksele, E. Konukoglu 16:15 - 17:00 -- ETH ETF C 1 Regularity Structures (V) J. Teichmann 16:15 - 17:00 -- ETH HG F 26.5	* Starts in the second week of the fall semester
17/ 18	On Deep Artificial Neural Networks and PDEs (G) A. Jentzen - 2 KE 17:15 - 19:00 -- ETH HG E 1.2	Zurich Colloquium in Math./Zurich Graduate Colloquium 17:15-18:30 -- UZH KO2-F-150 -> alternating	Endliche Geometrien II (G) N. Hungerbühler - 1 KE 17:15 - 19:00 -- ETH HG G 26.5		** Alternative course title: "Computational Methods for Quantitative Fin.: Monte Carlo and Sampling Meth." *** On Thursday lectures and exercises are alternating

Next to the name of the instructor you find the credit units (KE) for PhD students. For exercises there are no credit units. If there is no declaration please inquire the credit units with the instructor. We assume no responsibility for accuracy.