

Contact	Prof. Dr. Matthias Kaminski	
	Associate Professor	
	Vice-Chair of Physics & Astronomy	E-mail: mski@ua.edu
	University of Alabama Tuscaloosa, AL 35487, U.S.A.	Web: mkaminski.people.ua.edu

Publications according to <http://inspirehep.net/author/profile/M.Kaminski.1>

Citations	$\geq 2,770$ (2,960)	Sources: INSPIREHEP (Google Scholar)
h-index	25	
Citations per published paper	63.6	
Publications	≥ 52 research articles, 3 books as editor	

Professional Experience

2022	Sabbatical year Universität Würzburg (AGs Erdmenger, Thomale, Trauzettel).
2021–present	Tenured associate professor at the University of Alabama, Tuscaloosa, AL.
2020–present	Vice-chair (communication & outreach) of the Department of Physics & Astronomy, University of Alabama, Tuscaloosa, AL.
2015–2021	Assistant professor at the University of Alabama, Tuscaloosa, AL.
2014	Offered assistant professor position at NORDITA, Stockholm (declined).
2014–present	Grant review for Alexander von Humboldt, DAAD, DOE, NSF, and COST.
2011–2014	Postdoc at University of Washington, Seattle, WA.
2009–2011	Postdoc at Princeton University, Princeton, NJ.
2008–2009	Postdoc at the Instituto de Fisica Teórica UAM/CSIC, Madrid.
2008–present	Referee for Physical Review Letters, Physical Review D, JHEP, Nuclear Physics B, and the European Physical Journal.
2005–2008	Research as PhD student at Max-Planck-Institut für Physik, München.

Degrees & Education

2008	Degree ‘Dr. rer. nat.’, summa cum laude in physics received from Ludwig-Maximilians-Universität München, Germany Thesis: <i>Holographic quark gluon plasma with flavor</i>
2005	Degree ‘Diplom Physiker’ (grade: ”sehr gut”) from Bayerische Julius-Maximilians-Universität Würzburg, Germany Thesis: <i>Collider phenomenology: Production of polarized vector bosons in the noncommutative standard model</i>

2003 **Degree ‘Master of Science’** in physics from the University of New Mexico, Albuquerque, NM, USA.
Experimental and theoretical research in condensed matter physics

Honors and Awards

2009–2011 DFG Research Fellowship “Forschungsstipendium”.
2008 Annual Arnold Sommerfeld PhD Prize (LMU München).
2008 Arnold-Sommerfeld-Center Graduate School of the LMU München, and International Max Planck Research School (IMPRS) of the Max-Planck-Institut für Physik (Werner-Heisenberg-Institut) completed successfully.
2002-2003 DAAD Exchange Student Fellowship.

Funding, Service, Teaching, Skills

Funding Funding raised in grants to date since 2013: > \$800,000.
Organization Organizer of more than 20 conferences and summer schools.
 Initiated and organizing the International Graduate Student Exchange Program (IGREP) between UA and universities in Germany and Spain.
 Co-founder and organizer of international online seminar series [HoloTube](#).
Advisory Boards Former GAIN board member (German Academic International Network).
 Scientific advisory board member for several conferences (e.g. “[Numerical Relativity & Holography](#)”, University of Santiago de Compostela, Spain).
Teaching Supervised 5 PhD and 1 master students, ≥ 10 undergraduate students, 1 postdoc, taught/designed multiple graduate & undergraduate courses, various summer schools.
Computing Experienced with Mathematica, Python, JAVA, FORM, familiar with FORTRAN, C, Maple, and HTML, experienced in online teaching/collaboration.
Languages German (native), English (fluent), Spanish (fluent).

Invited colloquia, conference talks, and seminars

since 2015 More than 50 invited talks at conferences/seminars, among them: 2 public talks, more than 5 colloquium talks.
since 2007 More than 100 invited talks.



Düshorn, Germany, December 26, 2023

LIST OF TALKS SINCE 2020

2023

- Jul 5th Conference talk: *Ultraviolet-regulated theory of non-linear diffusion*, KITP Program: The Many Faces of Relativistic Fluid Dynamics, UC Santa Barbara, U.S.A. (in-person).
- Jun 1st Colloquium talk: *Hydrodynamics, Thermalization & Entanglement from Spacetime Geometry*, HFHF Colloquium, Justus-Liebig-Universität Gießen, Germany (in-person).
- Mar 29th Conference talk: *Early time dynamics far from equilibrium via holography*, Hard Probes 2023 (11th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions), Aschaffenburg, Germany (in-person).
- Mar 23rd Conference talk: *Ultraviolet-regulated theory of non-linear diffusion*, 86. DPG-Frühjahrstagung, Matter and Cosmos Section (SMuK), Dresden, Germany (in-person).
- Feb 9th Seminar talk: *Relativistic spin hydrodynamics with torsion*, Nuclear Theory Seminar, Ohio State University, Ames, OH (in-person).

2022

- Nov 25th Seminar talk: *Convergence of hydrodynamics in rapidly spinning strongly coupled plasma*, Triangle Seminar, Utrecht, Netherlands (in person).
- Nov 24th Seminar talk: *Chiral Hydrodynamics in Strong Magnetic Fields*, Seminar, Leiden, Netherlands (in person).
- Nov 7th Conference talk: *Speed of sound and chiral magnetic effect in expanding holographic plasma*, APCTP Workshop “QCD and gauge/gravity duality”, Pohang, South Korea (in person).
- Oct 24th Conference talk: *Hydrodynamics, Thermalization & Entanglement from Spacetime Geometry*, HIPSTARS 2022, Havana, Cuba (online).
- Jul 27th Conference talk: *Hydrodynamics, Thermalization & Entanglement from Spacetime Geometry*, CTQMAT22 - International Conference on Complexity and Topology in Quantum Matter, Würzburg, Germany (in person).
- May 26th Conference talk: *Topological Confinement in Skyrme Holography*, ECT Workshop “Gauge Topology, Flux Tubes and Holographic Models: The Intricate Dynamics of QCD in Vacuum and Extreme Environments”, ECT, Trento, Italy (online).
- May 24th Seminar talk: *Relativistic spin hydrodynamics with torsion*, Theory Seminar TPIII, Würzburg University, Germany (in-person).

- May 12th Seminar talk: *Quantum dynamics far from equilibrium in strong magnetic fields*, Theory Seminar, Helmholtz Zentrum Dresden Rossendorf, Germany (in-person).
- Apr 12th Seminar talk: *Quantum Dynamics far from Equilibrium*, Instytut Fizyki Teoretycznej, Wydział Fizyki i Astronomii, Uniwersytet Wrocławski, Wrocław, Poland (in-person).
- Mar 18th Seminar talk: *Energy dependence of the chiral magnetic effect in expanding holographic plasma*, Universitat de Barcelona, Barcelona, Spain (in-person).
- Mar 15th Conference talk: *Magnetic effects in thermodynamics, hydrodynamics, and holography*, Conference “AdS4CME @ HIC”, Instituto de Física Teórica UAM-CSIC, Madrid, Spain (in-person).

2021

- Nov 22nd Seminar talk: *Relativistic spin hydrodynamics with torsion*, Seminar Channel: “The Dual Mysteries of Gauge Theories and Gravity”, IIT Madras, India (online).
- Nov 10th Seminar talk: *Chiral hydrodynamics of plasmas in strong magnetic fields*, Wrocław Tech, Wrocław, Poland (online).
- Nov 4th Conference talk: *Chiral Magnetic Effect in Holography*, 6th International Conference on Chirality, Vorticity and Magnetic Field in Heavy Ion Collisions Stony Brook University, NY, USA (online).
- Oct 5th Seminar talk: *Inverted c-functions in thermal states*, University of Victoria, BC, Canada (online).
- Sep 2nd Conference talk: *Inverted c-functions in thermal states*, DPG-Tagung 2021, German Physical Society Meeting (online).
- Mar 23rd Seminar talk: *Chiral hydrodynamics of plasmas in strong magnetic fields*, Institut für Theoretische Physik, Goethe-Universität Frankfurt (online).
- Mar 18th Seminar talk: *Chiral hydrodynamics of plasmas in strong magnetic fields*, University of Ljubljana, Slovenia (online).
- Jan 28th Seminar talk: *Chiral hydrodynamics of plasmas in strong magnetic fields*, Universiteit Utrecht, Utrecht, Netherlands (online).

CONFERENCE ORGANIZATION SINCE 2020

- 2025** Holographic perspectives on chiral transport and spin dynamics, ECT*, Trento, Italy; co-organizers: U. Gursoy (Utrecht), D. Kharzeev (Stony Brook), K. Landsteiner (IFT Madrid).
- 2024**
- Apr 8-12 [Entanglement, thermalization, and holography](#), Simons Center, Stony Brook University, U.S.A.; co-organizers: N. Klco (Duke), B. Mueller (Duke), A. Schaefer (Regensburg), S. Waeber (Technion), L. Yaffe (U Washington).
- 2023**
- Mar 13-17 [Holographic perspectives on chiral transport](#), ECT*, Trento, Italy; co-organizers: U. Gursoy (Utrecht), D. Kharzeev (Stony Brook), K. Landsteiner (IFT Madrid).
- 2022**
- Oct 24-28 [HIPSTARS 2022 - Workshop on Heavy Ion Physics and Compact Stars](#), ICIMAF, Havana, Cuba.
- 2020–present** [HoloTube](#): Co-founded and organized the acclaimed international online seminar series and first network of webinars on Applied Holography.
-