

Prof. Dr. rer. nat. habil. Friedrich Konrad Röpke

Curriculum vitae



Personal Details

Date of birth: July 9, 1974
Place of birth: Blankenburg, Germany
Nationality: German
Family status: married, four children

Current position

Professor of Astrophysics at the Julius-Maximilians-Universität Würzburg
Head of the DFG Emmy Noether Junior Research Group “Comprehensive modeling of Type Ia supernova explosions” at the Universität Würzburg

Previous Employment

June 2008 – December 2010: Head of the DFG Emmy Noether Junior Research Group “Comprehensive modeling of Type Ia supernova explosions” at the Max-Planck-Institut für Astrophysik, Garching

July 2003 – May 2008: Postdoctoral fellow at the Max-Planck-Institut für Astrophysik, Garching, Germany

March 2007: visitor at the Kavli Institute for Theoretical Physics at the University of California Santa Barbara, USA

March 1, 2006 – March 31, 2007: Postdoctoral Researcher at the Department of Astronomy and Astrophysics, University of California Santa Cruz (UCO Lick Observatory), USA

January/February 2005: visitor at the Kavli Institute for Theoretical Physics at the University of California Santa Barbara, USA

August 2004: Visiting Fellow at the Institute for Nuclear Theory at the University of Washington, Seattle, USA

Education and Academic Record

Venia Legendi:

Privatdozent (private docent) at the Technische Universität München since January 2, 2009

Habilitation:

received on July 9, 2008 from the Technische Universität München
Habilitation thesis: *“Thermonuclear Supernovae”*

Graduate Studies:

July 2000 – July 2003 doctoral candidate at the Max-Planck-Institut für Astrophysik
Doctoral thesis: *“On the stability of thermonuclear flames in Type Ia supernova explosions”*
Advisor: Prof. Dr. W. Hillebrandt
Doctoral degree (Dr. rer. nat.) from Technische Universität München, July 28, 2003

Diploma:

April 18, 2000 from the Friedrich-Schiller-Universität Jena, Germany
Thesis: *“Thermodynamics of rotating objects in gravitation theory”* (in German)
Advisor: Prof. Dr. G. Neugebauer

University Education:

Student of physics at the Friedrich-Schiller-Universität Jena, Germany, beginning in October 1994
and at the University of Virginia, Charlottesville VA, USA (1997/1998)

Honors:

ARCHES – Award for Research Cooperation and High Excellence in Science (2010)
Emmy Noether Program of the German Research Foundation (2007), providing funds for establishing an independent research group

Languages:

native German, fluent English, proficient Russian

Teaching Experience

Graduate course *“Computational Astrophysics”*
at the Technische Universität München: winter semester 2007/2008, winter semester 2008/2009, winter semester 2009/2010, winter semester 2010/2011;
at the Universität Würzburg: winter semester 2011/2012

Graduate course *“Introduction to Theoretical Astrophysics”*
at the Technische Universität München: summer semester 2007, summer semester 2009, summer semester 2010;
at the Universität Würzburg: summer semester 2011

Lecturer at the Helmholtz International Summer School “Nuclear Theory and Astrophysical Applications”, Bogoliubov Laboratory for Theoretical Physics, JINR, Dubna, Russia, July 24–August 2, 2007

Lecturer at the JINA/Excellence Cluster Astrophysical Nuclear Reaction Network School, Abtei Frauenwörth, Chiemsee, Germany, April 10–17, 2011

Course “Introduction to Computational Astrophysics” at the XXIV Heidelberg Physics Graduate Days of the Heidelberg Graduate School of Fundamental Physics and the Department of Physics and Astronomy, University of Heidelberg, Germany, April 6–9, 2010

Lecturer at the Helmholtz International Summer School “Nuclear Theory and Astrophysical Applications”, Bogoliubov Laboratory for Theoretical Physics, JINR, Dubna, Russia, August 7–17, 2007

Graduate course “Physical Cosmology” at the Technische Universität München: winter semester 2005/2006

several seminars, tutorials, laboratory teaching etc.

Professional Services

Referee for *The Astrophysical Journal*, *The Astrophysical Journal Letters* and *Astronomy and Astrophysics*

Reviewer for the Netherlands Organisation for Scientific Research (NWO)

Professional Memberships

Deutsche Physikalische Gesellschaft (German Physical Society)

International Astronomical Union