

Curriculum Vitae

Name: Florian Freistetter

Date of birth: 28.07.1977 **Age:** 30

Place of birth: Krems an der Donau (Austria)

Marital Status: single

Citizenship: Austria

Education

- 1983 - 1987: Elementary school in *Furth bei Göttweig*
- 1987 - 1995: High School – BRG Krems (scientific type)
- June 1995 : school leaving examination
- September 1995: start of the study „Astronomy“ at the *University of Vienna*
- 1999, 2000: spezial scholarship for talented students
- June 2000: Masters degree in astronomy (with distinction)
- September 2000: start of Ph.D. studies in astronomy at the *University of Vienna*
- June 2004: Ph.D. in astronomy (with distinction)

Scientific Work

- January 2002 - June 2004: Ph.D. student at the *Institute of Astronomy at the University of Vienna*
- July 2004 - December 2004: PostDoc position at the *Institute of Astronomy at the University of Vienna*
- April 2005 – December 2007: PostDoc position at the *AIU Jena, Friedrich Schiller University Jena*

Military Service

- Feb.-Oct. 2001: Military service as *Militärwissenschaftlicher Experte (military science expert)* at the *NBC-Defence school* in Vienna

Scientific Stays

- Oct.-Nov. 1999: *Department of Physics, Section Astrophysics, Astronomy and Mechanics, University of Thessaloniki, Greece*
- November 2000: *Department of Astronomy, University of Budapest, Hungary*
- August 2003: *Department of Theoretical Physics, University of Zürich, Switzerland*

Teaching Experience

- "Assistant Lecturer" at the International Sommerschool "*Chaos and Stability in Planetary Systems*" at the Helmholtz Institute for Supercomputational Physics in Potsdam, Germany
- Regular Lectures (AIU Jena):
 - Introduction to Astronomy
 - Practical Courses in numerical astronomy
 - The Solar System
- Supervisor of coursework on schools:
 - Miriam Backens (Landesschule Pforta): "Stabilität von extrasolaren Mehrplanetensystemen"
 - Christian Demuth, Martin Nowack, Eric Bretschneider.: "Meteoriten – Sind sie Träger des Lebens?"
- Supervisor of pupil practical courses:
 - Patrick Steinmüller (Carl-Zeiss Gymnasium Jena): "Dynamik von Asteroiden"

Organizing Work & Committees

- Member of the „*Kommission zur Nachbesetzung der Planstelle eines/einer Ordentlichen Universitätsprofessor/in für 'Theoretische Astronomie'*" (2000)
- Member of the LOC of the "*Alexander von Humboldt Colloquiums*" (2000,2004)
- Member of the LOC of the "*Austrian-Hungarian Workshops on Trojans and related Topics*" (1999,2002)
- Founding member of the "*Österreichischen Gesellschaft für Astronomie und Astrophysik*" (2002)
- Examination Committee at the examination of *Miriam Backens* at the *Landesschule Pforta* (2007)

Scientific Projects

- Hochschuljubiläumsstiftung der Stadt Wien H-115/2001: "*A simple dynamical model of orbits of comets and asteroids that appear to be stable*"
- Österreichische Nationalbank Projekt NB Nr. 6446: "*The dynamics of asteroids in the Trojan-belt*"
- FWF Projekt Nr. P-14375-TPH: "*Stable orbits in extrasolar planetary systems*"
- FWF Projekt Nr. P-16024-TPH: "*Global Dynamics of L4 and L5 Trojans*"

International Meetings

- 20.05.1999: 1st Austrian-Hungarian Workshop on Trojans and related Topics (Vienna, Austria)
 - Talk: *"Stickines and Fractal Dimensions"*
- 19.03.2000-25.03.2000: 5th Alexander von Humboldt Colloquium: New Developments in the Dynamics of Planetary Systems (Bad Hofgastein, Austria)
 - Talk: *"Fractal Dimensions as chaos indicators in Mappings and Dynamical Systems"*
- 06.06.2000-07.06.2000: 2nd Austrian-Hungarian Workshop on Trojans and related Topics (Budapest, Hungary)
 - Talk: *"Fractal Dimensions as chaos indicators"*
- 10.04.2002-16.04.2003: Winter school on Diffusion in dynamical systems and applications on gravitational systems (Pralognan, France)
- 13.05.2002-15.05.2003: 3rd Austrian Hungarian Workshop on Trojans and related Topics (Vienna, Austria)
 - Talk: *"Some aspects of NEA classification"*
- 24.04.2003-25.04.2003: Zweite Österreichische Astronomentagung
 - Poster: *"Longterm Dynamics of Near-Earth Asteroids"*
- 21.03.2004-27.03.2004: 6th Alexander von Humboldt Colloquium: A comparison of the dynamical evolution of planetary systems (Bad Hofgastein, Austria)
 - Talk: *"Statistical Properties of Near-Earth Asteroids"*
- 16.04.2004-17.04.2004: Dritte Österreichische Astronomentagung
 - Poster: *"Recurrence of Order in Chaos"*
- 31.08.2004-04.09.2004: IAU Colloquium 197: Dynamics of Populations of Planetary Systems (Belgrad, YU)
 - Poster: *"Recurrence of Ordered Motion in Chaotic Systems"*
- 20.09.2004-25.09.2004: AG Meeting: From Cosmological Structures to the Milky Way (Prague, Czech Republic)
 - Poster: *"Habitable Planets in Extrasolar Systems: Where are they?"*
- 23.06.2005-26.06.2005: 4th Austrian-Hungarian Workshop on Extrasolar Planets and related topics (Budapest, Hungary)
 - Talk: *"Jumping Trojans and the Distribution of Asteroids"*
- 01.03.2006-03.03.2006: 4th Planet Formation Workshop: "Planet Formation and Evolution Studies: Various Approaches - One Goal" (Heidelberg, Germany)
 - Poster: *"How Planets could shape the debris disc of beta Pictoris"*
- 12.05.2006-14.05.2006: MACE 2006: Meeting on Asteroids and Comets in Europe (Vienna, Austria)
 - Talk: *"Stability of Jupiter Trojans and the difference between L4 and L5"*
- 18.09.2006-22.09.2006: European Planetary Science Congress 2006 (Berlin, Germany)
 - Talk: Possible Planets in the Beta Pictoris System
- 25.03.2007-31.03.2007: École thématique du CNRS: Récentes Investigations en Dynamique des Corps Célestes dans les Systèmes Solaire et Extrasolaires (Bad Hofgastein, Austria)
 - Talk: *"Un système planétaire de Bêta Pictoris?"*

Other Talks:

- 20.10.1999: *"Stepwise Correlation Dimensions as indicators for Chaos, Order and Stickiness in Dynamical Systems"*, (Department of Physics, Section Astrophysics, Astronomy and Mechanics, Universität Thessaloniki)
- 06.10.2005: *"On the difference between L4 and L5 trojans"*, (Institut für Astronomie, Universität Wien)

Selected Public Talks:

- 18.11.2005: *„Chaos im Sonnensystem“* at the *Long night of science* in Jena, Germany
- 27.04.2006: *"Das Sonnensystem"* at the *"Girlsday 2006"* in Jena, Germany
- 20.07.2006: *"Unser chaotisches Sonnensystem"*, *Conference: Astronomy in Schools*, Jena, Germany
- 16.12.2006: *"Riesenringe, Eisvulkane und Planeten, die keine Planeten sind: Eine Tour durch unser Sonnensystem"*, *Saturday Lectures* of the University Jena, Germany
- 13.03.2007: *„Chaos und Stabilität im Sonnensystem“*, Planetarium Bad Salzungen, Germany
- 26.04.2007: *"Wieviele Planeten hat das Sonnensystem?"* at the *"Girlsday 2007"* in Jena, Germany
- 01.06.2007: *„Asteroiden: Bedrohung aus dem All?"*, at the *Long night of museums* in Jena