

– Curriculum Vitae –
ANDREAS SEIFAHRT

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PERSONAL INFORMATION:

Citizenship: German
Date of Birth: February 12, 1978 (Gotha, Germany)

CURRENT POSITION:

08/2009 – Postdoctoral Scholar, University of California, Davis

RESEARCH INTERESTS:

- Instrumentation (NIR and MIR high resolution spectroscopy, adaptive optics)
- Extrasolar planets (RV methods in the NIR, μ arcsec astrometry)
- Earth's atmosphere (spectral modeling of telluric features, site testing, spectral retrieval)
- Low mass stars (rotation, magnetic fields and activity)
- Brown dwarfs (spectral modeling and physical properties, common proper motion surveys)
- Visual binaries (orbital modeling, photometry and mass determination)
- Young populations (direct detection of young brown dwarfs and planemos)

EDUCATION:

02/2008 PhD in astrophysics, Friedrich-Schiller-Universität Jena
Integral field spectroscopy of the GQ Lup companion
Advisor: Prof. Dr. Ralph Neuhauser
09/2004 Physics Diploma, Friedrich-Schiller-Universität Jena

PROFESSIONAL EXPERIENCE & PREVIOUS EMPLOYMENT:

03/2008 – 07/2009 Postdoctoral Researcher, Institut für Astrophysik, Göttingen, Germany
08/2007 – 02/2008 Research Assistant, Institut für Astrophysik, Göttingen, Germany
01/2007 – 07/2007 PhD Student, Astrophysikalisches Institut, FSU Jena, Germany
10/2004 – 12/2006 PhD Student, European Southern Observatory (ESO), Garching, Germany
08/2003 – 09/2004 Student Assistant, Astrophysikalisches Institut, FSU Jena, Germany
07/2002 – 12/2002 Research Scholar, Institute for Astronomy (IfA), Hilo, Hawai'i, U.S.

AWARDS & FELLOWSHIPS:

2007 ESO Fellowship at Santiago/Chile (3+1 years) – declined
10/2004 – 12/2006 ESO Studentship, European Southern Observatory, Garching

EXTERNAL FUNDING:

Program: National Science Foundation (NSF) Research Grant
Title: *An Infrared Radial Velocity Search for Planets around low mass Stars and Brown Dwarfs*
Period: 08/2011 – 07/2013
Role: PI
Funding: \$191,006

INSTRUMENTATION EXPERIENCE:

UHWFI Mechanical design of the UH88" Wide Field Imager (UHWFI) under PI Klaus-Werner Hodapp at the IfA, Hawaii in 2002. Responsible for the design concept to the final CAD drawings and the start of the production phase.

CRIRES Participation in lab testing, commissioning, and on-site characterization of the CRyogenic high-Resolution Infrared Echelle Spectrograph (CRIRES) at the Very Large Telescope (VLT) under PI Hans-Ullrich Käuffl from 2004-2006.

Gascells Design, construction, and deployment of a new NH₃ gas absorption cell for the CRIRES spectrograph at the VLT under PI Jacob Bean in 2008 and the IRCS spectrograph at Subaru for my own project in 2009.

EXES Participation in lab testing, commissioning (on IRTF, Hawaii), and characterization of the Echelon-Cross-Echelle Spectrograph (EXES) for NASA's Stratospheric Observatory for Infrared Astronomy (SOFIA) under PI Matthew J. Richter since 2009. Responsible for instrument control and user interface software development.

OBSERVING & DATA ANALYSIS EXPERTISE (* visitor mode runs):

Optical imaging: CTIO/ANDYCAM, CTIO/Y4KCam, VLT/FORS
NIR imaging: UKIRT/UFTI*, NTT/SOFI*, UH88/QUIRC*, UH88/ULBCAM*, VLT/ISAAC, VLT/HAWKI
MIR imaging: GEMINI/T-ReCS
AO imaging: VLT/NACO*, SUBARU/CIAO*, VLT/MAD, CFHT/PUEO, GEMINI/HOKUPA'A, GEMINI/ALTAIR+NIRI
AO spectroscopy: VLT/NACO*, VLT/SINFONI, VLT/CRIRES*, Subaru/IRCS*
Low-res spectroscopy: NTT/SOFI*, NTT/EMMI*, IRTF/SPEX, VLT/FLAMES
Mid-res spectroscopy: VLT/XSHOOTER
High-res spectroscopy: GEMINI/PHOENIX, HST/STIS, VLT/UVES, KECK/HIRES
MIR spectroscopy: VLT/VISIR*, IRTF/TEXES*, IRTF/EXES*
Interferometry: HST/FGS

TEACHING EXPERIENCE:

- 05/2009 Invited lecturer on observational astrophysics, OAN, Bogota, Colombia
- 01/2009 Invited lecturer on observational astrophysics, University of Split, Croatia
- 10/2008 – 02/2009 Lecturer on infrared astronomy, Universität Göttingen, Germany
- 01/2007 – 07/2007 Teaching assistant, lab courses in physics, FSU Jena, Germany
- 08/2003 – 09/2004 Teaching assistant, lab courses in astronomy, FSU Jena, Germany

MENTORING EXPERIENCE:

- Andrew Kruger graduate student, co-supervision, UC Davis, 2009 – 2011
- Nandan Joshi graduate student, co-supervision, Universität Göttingen, 2007 – 2009
- Sebastian Wende graduate student, co-supervision, Universität Göttingen, 2007 – 2009
- Nick Kullman undergraduate, REU student, full supervision, UC Davis, 2010
- Marin Treseļj undergraduate, Universität Göttingen, full supervision, Germany, 2008

ACTIVE CONFERENCE PARTICIPATION:

- 07/2008 Organiser of a splinter session on 'Observation and modelling of dusty, low gravity, L and M dwarfs' at the Cool Stars XV meeting, St. Andrews, Scotland
- 06/2008 Contributed talk: 'Precise Modeling of Atmospheric Absorption Features in High-Resolution Astronomical Spectra' at the 10th biennial HITRAN database conference, CfA, Harvard, US
- 10/2007 Contributed talk: 'Prospects and needs of micro-arcsecond astrometry' at the ESO workshop 'Science with the VLT in the ELT Era', Garching, Germany
- 03/2007 Contributed talk: 'Astrometric and photometric monitoring of the GQ Lup companion' at the ESO workshop 'Observing planetary systems', Santiago, Chile
- 01/2007 Contributed talk: 'Probing mu-arcsecond astrometry with NACO' at the 2007 ESO Instrument Calibration Workshop, Garching, Germany

INVITED TALKS:

- 05/2011 Heidelberg Joint Astronomical Colloquium, Germany: *Detection and characterization of extrasolar planets in the near Infrared*
- 10/2009 University of California, Davis: *Extending radial velocity programs into the near Infrared*
- 01/2009 Physics Department, University of Split, Croatia: *On the way to finding a second Earth*
- 09/2008 MPIA Heidelberg, Germany: *Measuring radial velocities with CRILES*
- 07/2008 Landessternwarte Tautenburg (TLS), Germany: *Modeling telluric features in high-resolution optical and near Infrared spectra*
- 06/2006 Sternwarte Bamberg, Germany: *CRILES - High Resolution NIR Spectroscopy at the edge - Atmospheric modeling of low mass stars and brown dwarfs -*

COMMUNITY SERVICE:

- Journal Referee for A&A, ApJ, MNRAS, AN

PUBLICATIONS (UNTIL JUNE 2011):

PUBLICATIONS IN REFEREED JOURNALS: (34 TOTAL, 8 AS FIRST AUTHOR)

- (34) A. J. Kruger, M. J. Richter, J. S. Carr, J. R. Najita, G. W. Doppmann, **A. Seifahrt**: *Gas and Dust Toward DG Tau B and VV CrA*, 2011, ApJ 729, 145
- (33) **A. Seifahrt**, H. U. Käuffl, G. Zängl, J. L. Bean, M. J. Richter, R. Siebenmorgen: *Synthesizing, using, and correcting for telluric features in high-resolution astronomical spectra*, 2010, A&A 524, A11
- (32) R. J. Hargreaves, K. H. Hinkle, C.W. Bauschlicher, S. Wende, **A. Seifahrt**, P. F. Bernath: *High-resolution 1.6 μm Spectra of FeH in M and L Dwarfs*, 2010, AJ 140, 919
- (31) D. Shulyak, A. Reiners, S. Wende, O. Kochukhov, N. Piskunov, **A. Seifahrt**: *Modelling the molecular Zeeman effect in M-dwarfs: methods and first results*, 2010, A&A 523, A37
- (30) S. Wende, A. Reiners, **A. Seifahrt**, P. F. Bernath: *CRIRES spectroscopy and empirical line-by-line identification of FeH molecular absorption in an M dwarf*, 2010, A&A 523, A58
- (29) J. L. Bean, **A. Seifahrt**, H. Hartman, H. Nilsson, G. Wiedemann, A. Reiners, S. Dreizler, T.J. Henry: *The CRIRES Search for Planets Around the Lowest-mass Stars. I. High-precision Near-infrared Radial Velocities with an Ammonia Gas Cell*, 2010, ApJ, 711, 19
- (28) A. Reiners, **A. Seifahrt**, S. Dreizler: *Discovery of a nearby young brown dwarf binary candidate*, 2010, A&A 513, 9
- (27) J. L. Bean, **A. Seifahrt**, H. Hartman, H. Nilsson, A. Reiners, S. Dreizler, T. J. Henry, G. Wiedemann: *The Proposed Giant Planet Orbiting VB 10 Does Not Exist*, 2010, ApJ, 711, 19
- (26) **A. Seifahrt**, A. Reiners, K. A. M. Almaghrbi, G. Basri: *On the kinematic age of brown dwarfs: radial velocities and space motions of 43 nearby L dwarfs*, 2010, A&A 512, 37
- (25) A. Reiners, J. L. Bean, K. F. Huber, S. Dreizler, **A. Seifahrt**, S. Czesla: *Detecting planets around very low mass stars with the radial velocity method*, 2009, ApJ, 710, 432
- (24) St. Raetz, et al. (incl. **A. Seifahrt**) : *Planetary transit observations at the University Observatory Jena: XO-1b and TrES-1*, 2009, AN 330, 475
- (23) St. Raetz, et al. (incl. **A. Seifahrt**) : *Planetary transit observations at the University Observatory Jena: TrES-2*, 2009, AN, 330, 459
- (22) S. D. Hügelmeyer, S. Dreizler, P. H. Hauschildt, **A. Seifahrt**, D. Homeier, & T. Barman: *Radiative transfer in circumstellar disks - I. 1D models for GQ Lupi*, 2009, A&A, 498, 793
- (21) J. L. Bean & **A. Seifahrt**: *The architecture of the GJ876 planetary system. Masses and orbital coplanarity for planets b and c*, 2009, A&A, 496, 429
- (20) **A. Seifahrt** & H. U. Käuffl: *High precision radial velocity measurements in the infrared. A first assessment of the RV stability of CRIRES*, 2008, A&A, 491, 929
- (19) J. L. Bean & **A. Seifahrt**: *Observational consequences of the recently proposed Super-Earth orbiting GJ 436*, 2008, A&A, 476L, 25

PUBLICATIONS IN REFEREED JOURNALS (CONTINUED):

- (18) J. L. Bean, G. F. Benedict, D. Charbonneau, D. Homeier, D. C. Taylor, B. McArthur, **A. Seifahrt**, S. Dreizler, & A. Reiners: *A Hubble Space Telescope transit light curve for GJ 436b*, 2008, A&A, 486, 1039
- (17) T. O. B. Schmidt, R. Neuhauser, **A. Seifahrt**, N. Vogt, A. Bedalov, Ch. Helling, S. Witte, & P. H. Hauschildt: *Direct evidence of a sub-stellar companion around CT Chamaeleontis*, 2008, A&A, 491, 311
- (16) **A. Seifahrt**, T. Röhl, R. Neuhauser, A. Reiners, F. Kerber, H. U. Käufl, R. Siebenmorgen, & A. Smette: *Improved orbital solution and masses for the very low-mass multiple system LHS 1070*, 2008, A&A, 484, 429
- (15) T. O. B. Schmidt, R. Neuhauser, N. Vogt, **A. Seifahrt**, T. Roell, & A. Bedalov: *Confirmation of the binary status of Chamaeleon H α 2 - a very young low-mass binary in Chamaeleon*, 2008, A&A, 484, 413
- (14) R. Neuhauser, M. Mugrauer, **A. Seifahrt**, T. Roell, T. O. B. Schmidt, & N. Bedalov: *Astrometric and photometric monitoring of GQ Lupi and its sub-stellar companion*, 2008, A&A, 484, 281
- (13) A. Reiners, **A. Seifahrt**, K. G. Stassun, C. Melo, & R. D. Mathieu: *Detection of strong activity in the eclipsing binary brown dwarf 2MASSJ05352184-0546085 - A possible explanation for the temperature reversal*, 2007, ApJL, 671, L149
- (12) A. Reiners, **A. Seifahrt**, H. U. Käufl, R. Siebenmorgen, & A. Smette: *Spectral-type dependent rotational braking and strong magnetic flux in three components of the late-M multiple system LHS 1070*, 2007, A&A, 471L, 5
- (11) T. H. Dall et al. (incl. **A. Seifahrt**): *VSOP: the variable star one-shot project. I. Project presentation and first data release*, 2007, A&A, 470, 1201
- (10) M. Mugrauer, **A. Seifahrt**, & R. Neuhauser: *The multiplicity of planet host stars - new low-mass companions to planet host stars*, 2007, MNRAS, 378, 1328
- (9) St. Raetz, M. Mugrauer, T.O.B. Schmidt, T. Roell, T. Eisenbeiss, M. Hohle, **A. Seifahrt**, A. Koeltzsch, M. Vaňko, R. Neuhauser: *First planetary transit observations with the AIU Jena telescope in Großschwabhausen*, AN, 328, 710
- (8) T. Eisenbeiss, **A. Seifahrt**, M. Mugrauer, T. O. B. Schmidt, R. Neuhauser, & T. Roell: *Low-mass visual binaries in the solar neighbourhood: The case of HD 141272*, 2007, AN, 328, 521
- (7) **A. Seifahrt**, R. Neuhauser, & P. H. Hauschildt: *Near-infrared integral-field spectroscopy of the companion to GQ Lupi*, 2007, A&A 463, 309
- (6) M. Mugrauer, **A. Seifahrt**, R. Neuhauser, & T. Mazeh: *HD3651B: the first directly imaged brown dwarf companion of an exoplanet host star*, 2006, MNRAS, 373L, 31
- (5) K. W. Hodapp, **A. Seifahrt**, G. A. Luppino, R. Wainscoat, E. Y. H. Sousa, A. Ryan, R. Shelton, M. Inouye, A. J. Pickles, Y. K. Ivanov: *The University of Hawaii Wide-Field Imager (UHWFII)*, 2006, PASP, 118, 780

PUBLICATIONS IN REFEREED JOURNALS (CONTINUED):

- (4) **A. Seifahrt**, M. Mugrauer, M. Wiese, R. Neuhauser, & E. Guenther: *New brown dwarf companions to $dM(e)$ stars*, 2005, AN, 326, 974
- (3) M. Mugrauer, R. Neuhauser, **A. Seifahrt**, T. Mazeh, & E. Guenther: *Four new young binaries among exoplanet host stars*, 2005, A&A, 440, 1051
- (2) **A. Seifahrt**, E. Guenther, & R. Neuhauser: *The $dM4.5e$ star G124-62 and its binary L dwarf companion DENIS-P J1441-0945*, 2005, A&A, 440, 967
- (1) **A. Seifahrt**, M. Mugrauer, & R. Neuhauser: *Astrometric proof of companionship for the L dwarf companion candidate GJ1048B*, 2004, A&A, 421, 255

PUBLICATIONS IN NON-REFEREED JOURNALS AND PROCEEDINGS:

- (46) T. Roell, **A. Seifahrt**, R. Neuhauser, R. Köhler, J. Bean: *Ground based astrometric search for extrasolar planets in stellar multiple systems*, 2011, EAS Publications Series, 45, 429
- (45) S. K. Ramsay, T. Lebzelter, **A. Seifahrt**, et al. : *CRIRES-POP: A library of high resolution spectra in the near-infrared*, 2011, Bulletin de la Societe Royale des Sciences de Liege, 80, 509
- (44) M.-V. Nieva, N. Przybilla, **A. Seifahrt**, K. Butler, H.-U. Käuffl, A. Kaufer: *Near-IR spectroscopy of OB stars with VLT/CRIRES*, 2011, Bulletin de la Societe Royale des Sciences de Liege, 80, 175
- (43) **A. Seifahrt**, H.U. Käuffl, G. Zängl, J. L. Bean, M. J. Richter, R. Siebenmorgen: *Precise modeling of telluric features in astronomical spectra*, 2010, invited article for The Messenger, 142
- (42) T. Roell, **A. Seifahrt**, R. Neuhauser: *Ground Based Astrometric Search for Substellar Companions in Stellar Multiple Systems, The Case of the Exoplanet Host System HD 19994*, 2010, Astronomical Society of the Pacific Conference Series, 435, 419
- (41) U. Seemann, A. Reiners, **A. Seifahrt**, M. Kürster: *The activity and rotation limit in the Hyades*, 2010, Proceedings of the Cool Stars 16 Conference, arXiv:1012:1817
- (40) D. Shulyak, A. Reiners, S. Wende, O. Kochukhov, N. Piskunov, **A. Seifahrt**: *Magnetic fields in M-dwarfs: quantitative results from detailed spectral synthesis in FeH lines*, 2010, Proceedings of the Cool Stars 16 Conference, arXiv:1012.1435
- (39) T. O. B. Schmidt, R. Neuhauser, **A. Seifahrt**: *Spectral comparison of directly imaged, young substellar companions using integral field spectroscopy - construction of an empiric log g sequence*, Proceedings of the conference In the Spirit of Lyot 2010, 17
- (38) S. Wende, A. Reiners, **A. Seifahrt**, D. Shulyak, O. Kochukhov: *Investigation of magnetically sensitive FeH lines*, 2010, Proceedings of the Cool Stars 16 Conference, arXiv:1011.6190
- (37) S. Dreizler, J. L. Bean, **A. Seifahrt**, H. Hartman, H. Nilsson, G. Wiedemann, A. Reiners, T. J. Henry: *Pathways towards Neptune-mass Planets around Very Low-mass Stars*, 2010, ASP Conference Series, 430, 127

PUBLICATIONS IN NON-REFEREED JOURNALS AND PROCEEDINGS (CONTINUED):

- (36) S. Uttenthaler, K. M. Pontoppidan, **A. Seifahrt**, et al.: *Correcting METIS spectra for telluric absorption to maximize spectral fidelity*, 2010, SPIE, 7735, 237
- (35) M. J. Richter, K. Ennico, M. E. McKelvey, **A. Seifahrt**: *Status of the Echelon-cross-Echelle Spectrograph for SOFIA*, 2010, SPIE, 7735, 221
- (34) J. L. Bean, **A. Seifahrt**, H. Hartman, H. Nilsson, G. Wiedemann, A. Reiners, S. Dreizler, T. J. Henry: *The CRIFRES Search for Planets at the Bottom of the Main Sequence*, 2010, The Messenger, 140, 41
- (33) T. Roell, R. Neuhäuser, **A. Seifahrt**: *Ground based astrometric searches for extrasolar planets in multiple stellar systems*, 2010, EAS Publications Series, 42, 179
- (32) T. Lebzelter, **A. Seifahrt**, S. Ramsay, et al.: *CRIFRES-POP Ñ A Library of High Resolution Spectra in the Near-infrared*, 2010, The Messenger, 139, 33
- (31) M. J. Richter, **A. Seifahrt**, M. McKelvey, K. Ennico-Smith, J. Lacy: *Progress Report on the Echelon-cross-echelle Spectrograph for Sofia*, 2010, Bulletin of the American Astronomical Society, 42, 400
- (30) P. Plavchan, N. Laohakunakorn, **A. Seifahrt**, K. Stapelfeldt, A. H. Gee: *Periodic Disk Eclipsing Stars: A New Class of Variable Young Stellar Objects*, 2010, Bulletin of the American Astronomical Society, 42, 400
- (29) **A. Seifahrt**, J. L. Bean, H. Hartman, H. Nilsson, G. Wiedemann, A. Reiners, S. Dreizler, T. J. Henry: *The CRIFRES Search for Planets Around the Lowest-Mass Stars: High-Precision nIR Radial Velocities with a New Gas Cell*, 2010, Bulletin of the American Astronomical Society, 42, 288
- (28) J. L. Bean, **A. Seifahrt**, A. Reiners, S. Dreizler, H. Hartman, H. Nilsson, G. Wiedemann, T. J. Henry: *The CRIFRES Search for Planets Around the Lowest-Mass Stars: Introduction and First Results*, 2010, Bulletin of the American Astronomical Society, 42, 530
- (27) **A. Seifahrt**, J. L. Bean: *Measuring Radial Velocities in the Near-infrared*, 2009, Proceedings of the International Conference on Exoplanets and Disks: Their Formation and Diversity, 2009, AIPC Vol. 1158, 337
- (26) T. O. B. Schmidt, R. Neuhäuser, **A. Seifahrt**: *Homogeneous comparison of planet candidates imaged directly until 2008*, Proceedings of the International Conference on Exoplanets and Disks: Their Formation and Diversity, 2009, AIPC Vol. 1158, 231
- (25) R. Neuhäuser, T. O. B. Schmidt, **A. Seifahrt**, A. Bedalov, Ch. Helling, S. Witte, & P. Hauschildt: *Medium-resolution infrared integral field spectroscopy of the brown dwarf TWA 5 B*, Proceedings of the 15th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun. AIP Conference Proceedings, 2009, AIPC Vol. 1094, 844
- (24) **A. Seifahrt**, T. Röhl, & R. Neuhäuser: *Prospects and Needs of Micro-arcsecond Astrometry*, Science with the VLT in the ELT Era, Astrophysics and Space Science Proceedings, Springer, 2009, p. 469

PUBLICATIONS IN NON-REFEREED JOURNALS AND PROCEEDINGS (CONTINUED):

- (23) M. F. Nieva, N. Przybilla, **A. Seifahrt**, K. Butler, H. U. Käuffl, A. Kaufer: *Quantitative Near-IR Spectroscopy of OB Stars*, Science with the VLT in the ELT Era, Astrophysics and Space Science Proceedings, Springer, 2009, p. 499
- (22) N. Przybilla, **A. Seifahrt**, K. Butler, M. F. Nieva, H. U. Käuffl, A. Kaufer: *Near-IR Spectroscopy of Blue Supergiants*, Science with the VLT in the ELT Era, Astrophysics and Space Science Proceedings, Springer, 2009, p. 55
- (21) M. Vaňko, et al. (incl. **A. Seifahrt**): *Transit observation at the observatory in Großschwabhausen: XO-1b and TrES-1*, Transiting Planets, Proceedings of the International Astronomical Union, IAU Symposium, Volume 253, 440
- (20) S. Raetz, et al. (incl. **A. Seifahrt**): *Observations of the transiting planet TrES-2 with the AIU Jena telescope in Großschwabhausen*, Transiting Planets, Proceedings of the International Astronomical Union, IAU Symposium, Volume 253, 436
- (19) **A. Seifahrt**, Ch. Helling, A. J. Burgasser, K. N. Allers, K. L. Cruz, M. C. Cushing, U. Heiter, D. L. Looper, & S. Witte: *Observation and modelling of dusty, low gravity L, and M dwarfs*, 2009, Proceedings of the 15th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun. AIP Conference Proceedings, Volume 1094, 283
- (18) **A. Seifahrt**, A. Reiners, A. Scholz, & G. Basri: *Activity and rotation of low mass stars in young open clusters*, 2009, Proceedings of the 15th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun. AIP Conference Proceedings, Volume 1094, 373
- (17) M. Terešelj, **A. Seifahrt**, K.-W. Hodapp, A. Bedalov, & M. Mugrauer: *A search for wide brown dwarf companions to stars within 10pc*, 2009, Proceedings of the 15th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun. AIP Conference Proceedings, Volume 1094, 565
- (16) **A. Seifahrt**, S. Thorwirth, H. Beuther, S. Leurini, C. L. Brogan, T. R. Hunter, K. M. Menten, & B. Stecklum: *Synergy of multi-frequency studies from observations of NGC 6334I*, 2008, JPhCS, 131a2030S
- (15) H. U. Käuffl et al. (incl. **A. Seifahrt**): *CRIRES: commissioning and first science results*, 2008, SPIE, 7014E, 29
- (14) M. Kissler-Patig et al. (incl. **A. Seifahrt**): *Hawk-I - First Results from Science Verification*, 2008, The Messenger, 132, 7
- (13) T. Röhl, **A. Seifahrt**, & R. Neuhauser: *Search for extrasolar planets with high-precision relative astrometry by ground-based and single-aperture observations*, 2008, IAUS, 249, 57
- (12) T. Röhl, **A. Seifahrt**, & R. Neuhauser: *Micro-arcsecond relative astrometry by ground-based and single-aperture observations*, 2008, IAUS, 248, 48
- (11) M. Mugrauer, **A. Seifahrt**, R. Neuhauser, T. Mazeh, & T. O. B. Schmidt: *Multiplicity Study of Exoplanet Host Stars: the HD 3651 AB System*, 2007, IAUS, 240, 638
- (10) R. Neuhauser, M. Mugrauer, & **A. Seifahrt**: *GQ Lup, 2M1207, and AB Pic: Planet companion candidates imaged directly and their relevance in orbital dynamics and mass estimation via theoretical models*, 2007, IAUS, 240R, 327

PUBLICATIONS IN NON-REFEREED JOURNALS AND PROCEEDINGS (CONTINUED):

- (9) R. Neuhäuser, **A. Seifahrt**, T. Röhl, A. Bedalov, & M. Mugrauer: *Detectability of Planets in Wide Binaries by Ground-Based Relative Astrometry with AO*, 2007, IAUS, 240, 261
- (8) **A. Seifahrt**, T. Röhl, R. Neuhäuser. Probing micro-arcsec astrometry with NACO. *Proceedings of the ESO Instrument Calibration Workshop*, 2007
- (7) R. Siebenmorgen, A. Smette, H. U. Käuffl, & **A. Seifahrt**. *Exploring the Near-Infrared at High Spatial and Spectral Resolution: First Results from CRIRES Science Verification*, The Messenger 128, 17, 2007
- (6) H. U. Käuffl et al. (incl. **A. Seifahrt**): *Good Vibrations: Report from the Commissioning of CRIRES*, 2006, The Messenger 126, 32
- (5) G. Pinzón, **A. Seifahrt**, & R. de La Reza: *Accretion in young low intermediate mass stars*, 2006, Revista Mexicana de Astronomia y Astrofisica Conference Series, 26, 41
- (4) R. Neuhäuser, **A. Seifahrt**, P. Hauschildt, J. Alves, & E. Guenther: *The deuterium test for exo-planet candidates detected directly*, 2005, High Resolution Infrared Spectroscopy in Astronomy, proceedings of the ESO Workshop, Eds. Hans Ulrich Kaufl, Ralf Siebenmorgen and Alan Moorwood
- (3) R. Neuhäuser, A. Hatzes, C. Broeg, **A. Seifahrt**, J. Weiprecht, & E. Guenther: *Jena/Tautenburg-German Center for Exoplanet Research: exoplanet.de*, 2003, ANS , 324, 119
- (2) K. Hodapp, A. J. Pickles, G. A. Luppino, **A. Seifahrt**, & R. J. Wainscoat: *The University of Hawaii Wide-Field Imager*, 2003, SPIE, 4841, 280
- (1) F. Kerber, B. Wills, A. Alexov, P. Bristow, **A. Seifahrt**, & M. R. Rosa: *Science from the refurbished FOS/BLUE archive: Interstellar absorption lines in a sample of low red-shift quasars*, 2002, Bulletin of the American Astronomical Society, 34, 705