

Date and venue:

Monday, September 22, 2014, 12 a.m. - 4 p.m. in the lecture hall MG1 / 02.06, University campus Markuskelände, Markusstraße 8a, 96047 Bamberg

Registration:

There is no need of a formal registration. A short email to the convenors (see below) would, however, be useful in order to be able to switch to a larger lecture hall if necessary. Thank you!

What will the meeting be about?

The PhD meeting will take place in the framework of the AG Tagung 2014. The topic of the meeting is to inform PhD students of Astronomy and Astrophysics about post-graduate career opportunities in science and industry. Therefore we offer invited talks by experts on the various fields. There will be room for discussions after each talk and during coffee breaks in between.

Convenors:

[Felicia Krauss](#) , [Tobias Beuchert](#) , [Annika Kreikenbohm](#)

all: Dr. Remeis Sternwarte, Bamberg / ECAP and the Institut für Theoretische Physik und Astrophysik, Uni Würzburg

Program (preliminary)

General

12:00 - 12:10	Welcome	
12:10 - 12:40	Prof. Dr. Matthias Steinmetz	Acaduate of the Leibniz Institute for Astronomy

Industry / Service Industry

12:40 - 13:00	Sultan Haider, Siemens AG, Healthineers Sector, Slides at the Head
13:00 - 13:20	Dr. Michael Martin, Astron, Jobs in Space Industry - Tesat Spacecom
13:20 - 13:40	Dr. Manfred Hanke, TNG, Agile Software Development @ TNG Technology Consulting
Science	
13:40 - 14:00	Dr. Cristoph Tenzer, Uni, Things of Highly Effective Postdocs
14:00 - 14:30	Coffee / lunchbreak
14:30 - 14:50	Dr. Maria Diaz Trigo, ESTEC, To industries and back
14:50 - 15:25	Prof. Dr. Eduardo Ros, MAF, Planning: seeking a postdoc
15:25 - 15:55	Dr. Ulrich Köhler, DLR, "Space research, high-tech slides II

Abstracts:

Sultan Haider (Siemens AG):

Can innovations be planned or it is just a matter of chance? Do you need to learn everything before coming up with an idea which someone will call "new idea"? **Dr. M. Martin (Tesat - Spacecom):**

This talk is divided in two parts. The first part is a general introduction to the company Tesat-Spacecom, its products and typical fields of work for PhD students. The second part is a personal view, which starts with a short history about my professional life so far. An outlook about typical day-to-day business is given, followed by some personal advice for making the transition from university to industry.

Dr. M. Hanke (TNG):

This talk introduces some best practices of agile software development such as test-driven

development and continuous integration. It demonstrates that software consulting is a perspective worth considering for technical or scientific graduates who are enthusiastic about information technologies and willing to solve complex problems.

Dr. Chr. Tenzer (Uni Tübingen)

This talk will summarise some practical experiences and 'lessons learned' from pursuing a career in astrophysics in a university environment. Do decisions at an early stage have a large impact on later opportunities? I will address the typical trade-offs one has to consider when taking the next step and give a few suggestions on what to focus on in order not to get side-tracked.

Dr. M. D. Trigo (ESO)

Based on my work experience in industry and different research institutes I will discuss the challenges that young physicists/astronomers may face in the different environments and the factors that may help them decide for one or another career path.

Prof. Dr. E. Ros (MPIfR, Bonn):

I will provide a general orientation on career planning for young astronomers, and the most common step after a successful PhD: a postdoctoral position. I will describe the different postdoctoral opportunities and the appropriate strategy to be successful in the process of applying for a new postdoc. I will focus both in the University environment and large astronomical institutes, in Germany and abroad. Some general rules for an exit strategy towards industry or alternative activities will be provided as well.

Dr. U. Köhler (DLR):

DLR is Germany's national aeronautics and space research centre and one of the leading non-university research and development institutions. Among its 8000 employees about every tenth is working on his or her PhD thesis. DLR's mission comprises the exploration of Earth, the Solar System and the universe, and research for protecting the environment, respectively. For example, DLR is leading the consortium preparing the ESA M-class space-telescope mission »PLATO« (launch: 2022). The presentation will show career opportunities, space projects managed by DLR's Space Agency branch and future space missions and space-exploration activities.