



Dear doctoral candidates of the MIN faculty,

In this edition, we would like to draw your attention to a new tool provided by MINGS to help you develop your career in or outside science and take ownership of your professional development while doing your doctoral research: the *Individual Development Plan*. Learn more about it below or [on this website](#). We have also compiled some interesting events regarding entrepreneurship in science and founding a business start-up. And as always, we would like to inform you about exciting funding opportunities and fellowships: two Graduate Schools in Hamburg offer positions for doctoral researchers, and if you want to start a career in science management, check out the job offers as coordination of DASHH or HELIOS.

Good luck with your applications & stay healthy!

Your MIN Graduate School

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## NEWS OF MIN GRADUATE SCHOOL

### The Individual Development Plan

The point of doctoral research is to develop your career, either inside or outside academia. At the same time, your doctorate is an exciting opportunity to learn new things, explore new ways, and experiment in new fields. The *Individual Development Plan* (IDP) can help you to make the most of this once-in-a-lifetime chance and to take ownership for your individual professional development! It serves as a roadmap for your professional training. Through specific questions and tasks, it helps you identify your strengths and interests, supports your self-reflection, and defines specific actions toward achieving your career goals.

For more information and download of the IDP booklet, visit [this website](#)!

### New Doctoral Representatives in the board of MINGS

Stephanie Blanke (mathematics) and Christian Meyenburg (informatics) have been elected as new doctoral representatives in the board of MIN Graduate School. Thank you to everybody who participated in the election and congratulations to Stephanie and Christian! From now on, they will be involved in all activities of the board of MINGS, such as the admission of new doctoral programs into



MINGS and the development of the MINGS support program. Apart from that, all doctoral candidates of MIN Faculty are invited to contact them with any concerns related to their doctoral studies and research. We will introduce Stephanie and Christian to you in more detail and announce ways to contact them in one of our upcoming newsletter issues.

## WORKSHOPS & NETWORKING EVENTS

### **bAlome Seminar: Artificial Intelligence and Particle Physics**

*22 October, 4 pm, via Zoom*

Speaker: Prof. Gregor Kasieczka, Institute of Experimental Physics

Studying the elementary constituents of matter in modern particle colliders such as the Large Hadron Collider (LHC) at CERN produces unprecedented amounts of scientific data. At the same time, powerful simulations of fundamental processes and their interactions with detectors are needed to allow the design of sophisticated analyses. AI methods – and specifically machine learning and deep learning – consequently play an increasingly important role in all stages of particle physics research: from real-time decision making, over reconstruction, object identification, and simulation. After introducing the scientific environment, some recent developments of potentially wider interest will be highlighted, focusing on methods for unsupervised discovery of outliers in data, fast simulation, and automated decorrelation of observables.

To participate, use this [Zoom link](#).

### **Young Entrepreneurs in Science: From PhD to Innovator**

*18 November, 9 am to 19 November, 5 pm, online*

How much of an entrepreneur is inside you? Find out and participate in the 2-day online workshop, tailored to science talents of all disciplines! Learn how to turn your doctoral dissertation into a business idea together with other highly motivated researchers, led by professional Design Thinking coaches.

Postdocs and doctoral researchers of all disciplines affiliated to Universität Hamburg or one of the other partner universities in the region are invited to participate in this workshop. Participation is free of charge and requires no prior knowledge. Learn more on the website [Young Entrepreneurs in Science](#) and apply [here](#).

### **beyourpilot Gründungstoolbox – Ideation [in German]**

*10.11. / 01.12. / 12.01. / 02.02., jeweils 15 bis 17 Uhr, online*

Die Online-Workshopreihe Gründungstoolbox richtet sich an Gründungsinteressierte aus dem Hamburger Hochschul Umfeld mit und ohne eigener Geschäftsidee. In den vier Terminen zu den Themen 1) Ideation, 2) Bewertung von Geschäftsideen, 3) Prototyping / User Feedback und 4) Business Development werden Methoden und Tools vermittelt und gemeinsam angewendet, um Euch



hilfreiches Rüstzeug mit auf den unternehmerischen Weg zu geben. Die Einheiten bauen zwar inhaltlich aufeinander auf, eine Teilnahme an einzelnen Einheiten ist jedoch ebenso möglich. Mehr Informationen und Anmeldung [hier](#).

### **Frühstück mit Gründerinnen [in German]**

*12.11., 15 bis 17 Uhr*

Du bist gründungsinteressiert? Stehst kurz vor der Gründung oder hast schon gegründet? Dann komm vorbei, um dich mit anderen Frauen über das Thema Gründen auszutauschen! Das Career Center der Universität Hamburg lädt in Kooperation mit beyourpilot zu einem Frühstück mit Gründerinnen ein. Nach einem Impulsvortrag kann man sich bei Kaffee, Tee und Brötchen über Gründungsthemen unterhalten und mit anderen Gründungsinteressierten und Gründerinnen netzwerken. Bis zum 11. November kann man sich [hier](#) anmelden.

### **JOB OFFERS & FELLOWSHIPS**

#### **Call for Applications: Positions for Doctoral Candidates at DASHH**

DASHH – Data Science in Hamburg Helmholtz Graduate School is an interdisciplinary graduate school that offers [challenging PhD topics](#). DASHH is currently looking for excellent and highly qualified doctoral candidates interested to work on interdisciplinary, data-driven research projects in physics, engineering, chemistry, applied mathematics, computer science or structural biology. Successful applicants will receive a work contract for three years and will benefit from the excellent working conditions at the research campus in Bahrenfeld, close supervision and support by a panel of established scientists as well as courses on transferable skills and career development.

More information and a description of possible doctoral research projects can be found on the [website of DASHH](#).

**Application deadline is 1 December 2020.**

#### **Call for Applications: Positions for Doctoral Candidates at IMPRS UFAST**

IMPRS UFAST is offering [twenty five interdisciplinary PhD research projects](#). Their topics range from the theoretical and experimental aspects of condensed matter to accelerator-based light-sources, coherent imaging, molecular imaging, and atomically resolved dynamics as well as extreme timescale spectroscopy, ultrafast optics, and X-ray science. Successful applicants will participate in a three-year structured funded PhD program in English, covering an advanced scientific curriculum and transferable skills, and will be supervised by internationally renowned scientists from the IMPRS UFAST partners.

Detailed information regarding the application timeline and procedure is available [here](#).

**Application deadline is 15 November 2020.**



**Job Offers: Coordination of HELIOS and DASHH**

Both [DASHH – Data Science in Hamburg Helmholtz Graduate School](#) and [HELIOS – Hamburg-Lund Helmholtz International Graduate School](#) are looking for coordinators to manage and administer the graduate programs and organize the annual recruitment of doctoral candidates as well as the soft-skills program. If you have a degree in physics, mathematics or informatics and would like to start a career in science management, check out the job advertisements of [DASHH](#) and [HELIOS](#) for more information.

**Application deadlines are 19 November 2020 (HELIOS) and 26 November 2020 (DASHH) respectively.**

Do you like our newsletter?

Forward it to colleagues and friends and tell them to register [here](#).

Do you have suggestions for improvement or ideas what to cover in our newsletter?

Let us know @ [mings@uni-hamburg.de](mailto:mings@uni-hamburg.de)!