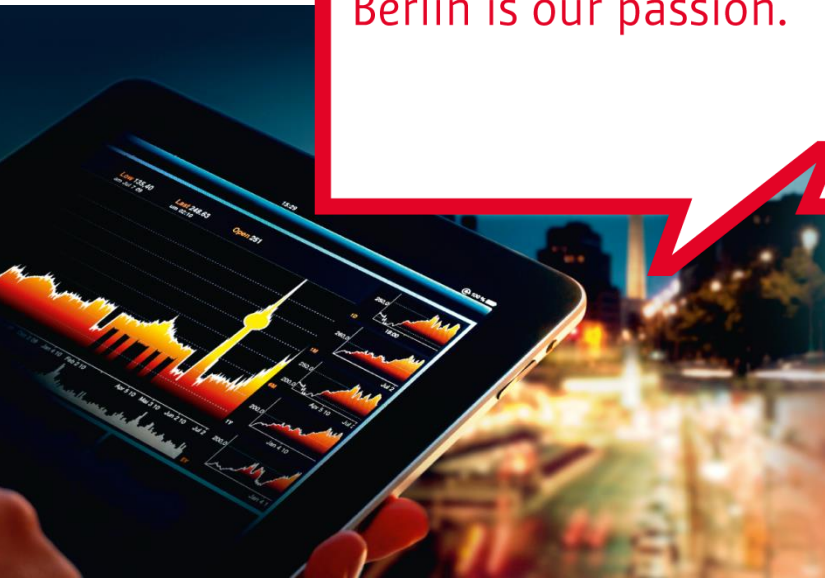


**We're working for growth.**  
Berlin is our passion.



**OPAL, OPen Access Lab for Advanced Materials**

**Dr. Danny Krautz**

## Research on new technologies in Berlin

The city has four public research universities and 27 private, professional, and technical colleges, offering a wide range of disciplines. Over 160,000 students were enrolled in the winter term of 2012/13. The city has a high density of research institutions, such as the Fraunhofer Society, Leibniz Association and the Max Planck Society, which are independent of, or only loosely connected to its universities. Around 65,000 scientists are working in research and development in the city.





## Research on new technologies in Berlin



## Applications and Hardware Spin-off



## Product developments through the Integration of:

Material Research

Process Development

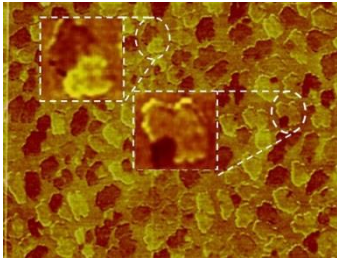
Electronic Development

Design Studies and Product Design

Prototyping

Market Analysis and Startups for Market Entry

Access to emerging markets



Advanced Materials 20 (2008) 3254-3257



<http://fdesignberlin.de/projects/autarke-wartehalle/>

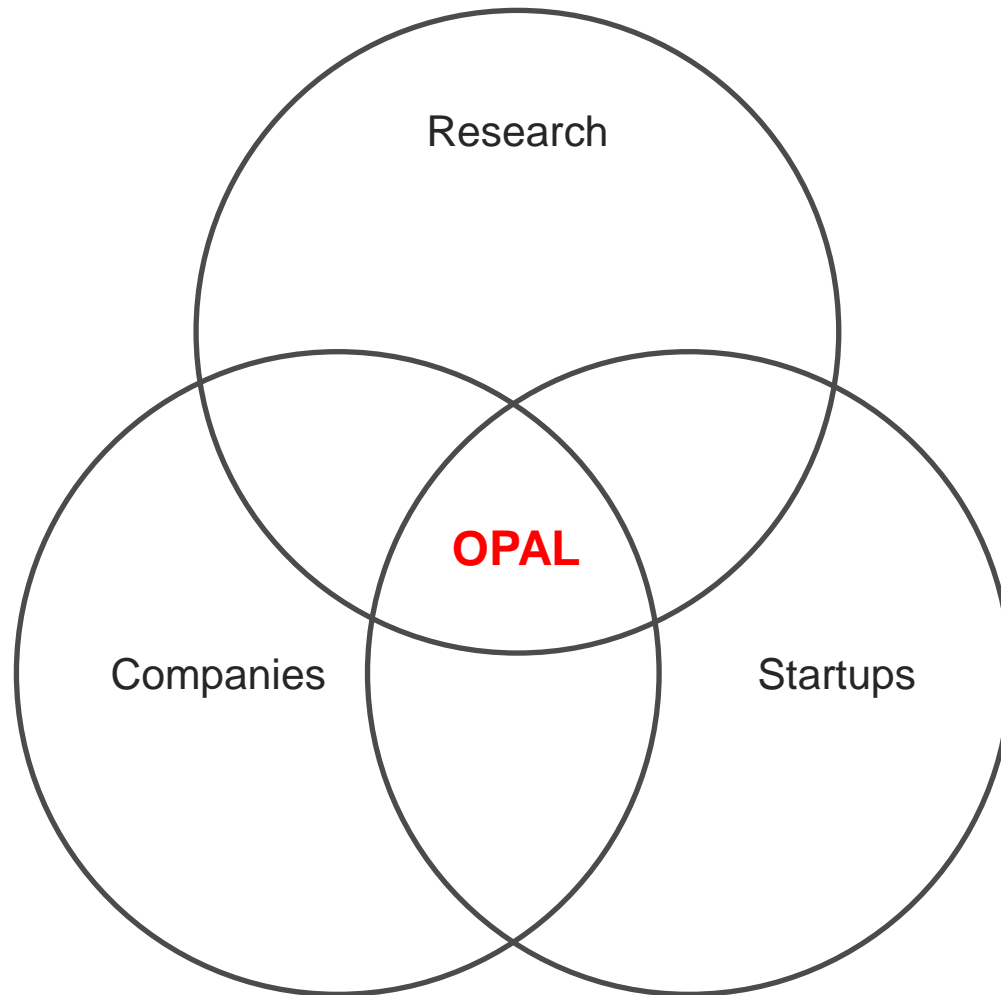
## Concept: Nucleus at Humboldt University

The OPen Access Laboratory (OPAL) is a new concept for the promotion of the collaboration between **IRIS Adlershof** and pertinent scientific and industrial partners. Innovative high-tech enterprises and research institutes are invited to collaborate within OPAL by sending their own personnel. The OPAL for Advanced Materials aims at the development and the implementation of tailored concepts for **organic and molecular electronics, sensors, wearables, lighting, printed electronics and IoT**.





## Innovation through interaction

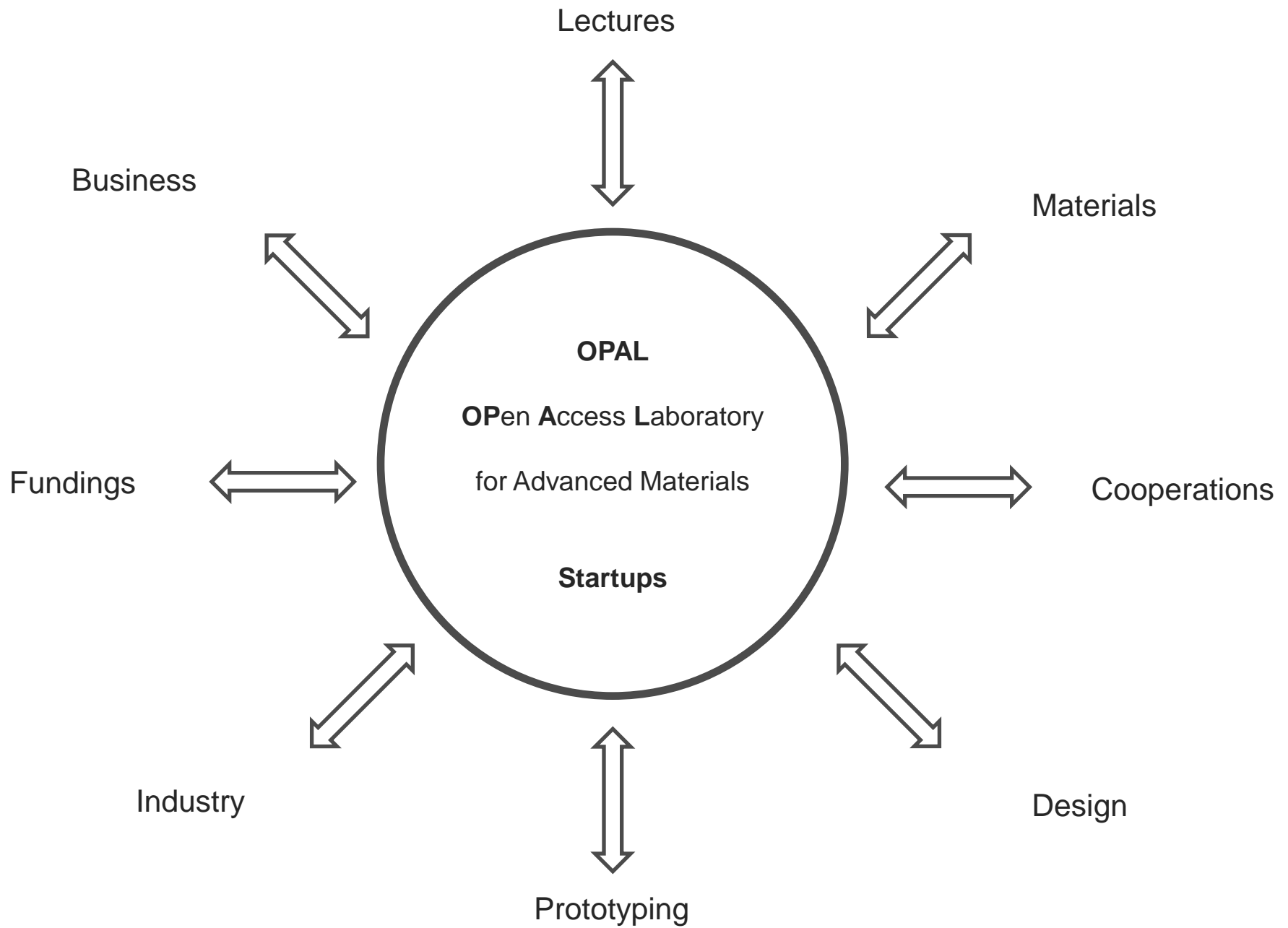




## Concept OPAL

Connecting applied research, design, startups and global player to accelerate the access to the market with new innovative products.

OPAL offers a platform for companies and startups to access new markets and product categories with a low financial risk. Startups can access the knowledge and infrastructure due to the collaboration with established companies as well as the access to regional funding programmes.



## Humboldt University: Prof. Dr. Norbert Koch

Master Programm: Optical Sciences (English)

The Programm will be focused on the physics of optical systems with a strong technical background. This guarantees an access and a student exchange with the best universities, such as Stanford, Princeton and NUS.



## Partner: Beuth Hochschule in Kooperation with Osram

### Master Programm: Lighting Design - Beuth Hochschule für Technik & OSRAM

#### Education

- Summerschool (OSRAM intern and extern)
- Lecture series „“ (Beuth HS)
- Application module
- Energy Management and Industry 4.0

#### Event Location

- Education Location (D/O Application)
- OSRAM internal events
- Conference, Events, Meetings, Trade shows



BEUTH HOCHSCHULE  
FÜR TECHNIK  
BERLIN  
University of Applied Sciences



## Partner: Stanford University, Wilhelmina Jewell Strong - Sparks

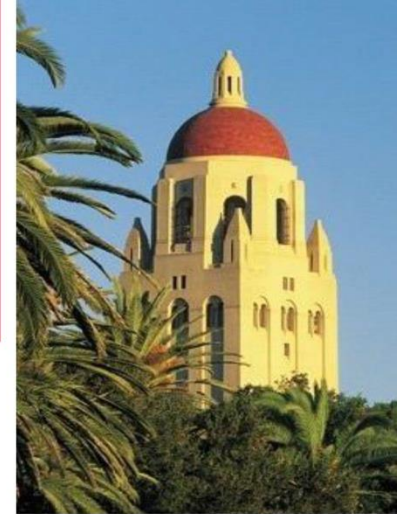
October 6-8, 2015

To provide an entrepreneurship, innovation and startup communications and development program for a group of 30 entrepreneurs from various European hubs in order to:

- Cultivate innovative mindsets
- Create cultural exchange
- Identify regional development needs by hearing how local needs were solved via technology
- Visualize the effects of agility
- Learn the benefits of and how to market innovation and prototype via sharing throughout product development
- Pitch like they do in the Valley but modify your pitch for your country environment
- Learn how to utilize your cultural norms and merge them with the “How they do it in the Valley” mindset
- Gain exposure to venture capitalists
- Network with startups, founders and corporate leaders in San Francisco and Silicon Valley

**“Bridging the Gap” by  
“Connecting the Dots”**

**Crossing Borders: EU to Silicon  
Valley Program**



**Stanford** | Center for Professional  
Development

Program Curated in collaboration with  
Wilhelmina Jewell Sparks  
(Founder of The BITHOUSE.IO and Strategic Diversity  
Group Inc.)



## Partner: CERTI Foundation (Brazil), Daniel Rosa

The CERTI Foundation offers solutions to the management of innovation projects, considering products, hardware, software or systems, caring for the entire process based on a systemic approach.

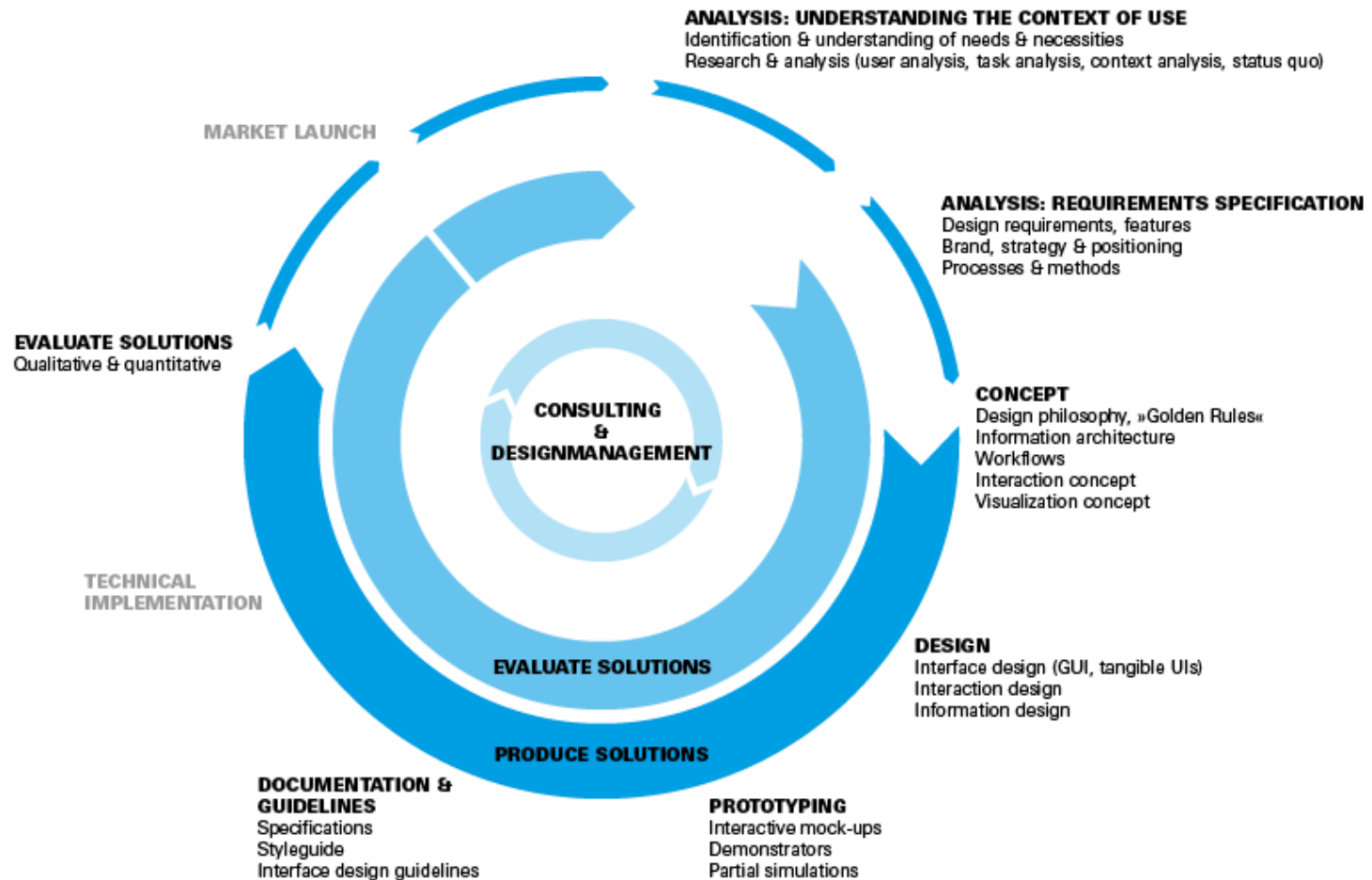
CERTI offers innovative solutions in products and processes for the environment of convergence of medias and information and communication technologies, allied to a strategic business vision.

Direct and indirect action in the Healthcare sector, with an emphasis on research and development of electro-medical products, according to international standards.



# MA:Ma: Stefan Karp

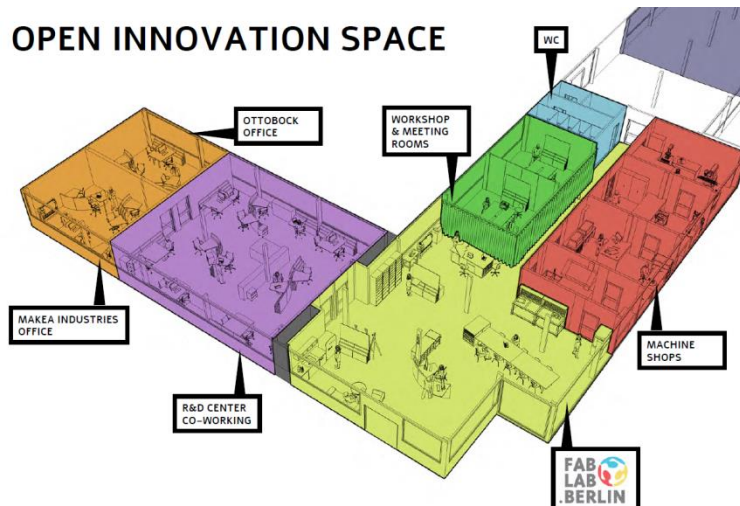
ma ma User Experience Design Process  
(compliant to EN ISO 9241-210 »Ergonomics of Human-System Interaction«)





## Partner: FabLab, Wolf Jeschonnek

Fab Lab Berlin is a Central Hub in Berlins community of Makers and Innovators. It offers an open high-tech prototyping studio for digital fabrication, workshops and collaborative innovation. We empower creatives from any background to realize their Ideas with the help of our professional advice and tools like 3D Printers, Laser Cutters, CNC Machines, electronic and e-textile prototyping.



## Partner: GTEC, Luisa Maier

ESMT, together with founding partners Henkel, RWE, Globumbus Foundation, Sigmund Kiener Foundation, and the law firm Noerr, has founded the **German Tech Entrepreneurship Center (GTEC)** on the ESMT campus in Berlin. GTEC brings technology-based startups, international corporations, academic institutions, accelerators, venture capital funds, and business angels together under one roof to support innovative entrepreneurs during the early phases of their ventures. The center integrates teaching, research, and support of company creation in one institution that is open to German and international entrepreneurs.

Based in 1200 m<sup>2</sup> of space in the heart of Berlin, with marvelous presentation and education facilities on the palatial ESMT premises, GTEC aims at empowering technology-driven, high-growth innovation and transformation across Europe.

Any entrepreneur – from student to corporate entrepreneur, from first-time founder to investor – is welcome to join our programs, events, talks, and workshops.

## Weitnauer Rechtsanwälte: Dr. Sven Schilf

Weitnauer stands for Finance, Technology, Transactions and provides legal advice to businesses and individuals domestically and abroad in these areas. Technology determines the success of the business. We focus on the life sciences and IT-industries. We assist in all legal matters involved in the protection and commercialization of technology.

### Contact

Dr. Sven Schilf  
Rechtsanwalt / Partner

WEITNAUER

### Practice Areas

International and domestic Contract Law, including Distribution Law and international transactions related to medical devices, communication services, transport and logistics. Law of Intellectual Property and IT Law, International Litigation and Arbitration.

## Berlin Partner for Business and Technology: Regional Funds

### ProFIT

- program to promote research, innovation and technology
- joined project frame with a max. Funding of 400k€ per partner and 3 years

### Transfer Bonus

- short program for technology with a max. funding rate of 70% and total 15k€

### Design Transfer Bonus

- short program for product design with a max. funding rate of 70% and total 15k€

### Innovation Agent

- funding of 20k€ per person and year for high qualified personal

### Humboldt Innovation: Exist Gründerstipendium

- monthly personal scholarship
- financial support for the equipment
- support on consulting services
- children's supplement
- work space free of costs as well as the usage of workshops, labs, computer centers and other institutions and resources of the university

## Berlin Partner for Business and Technology : New Markets

Several cooperation agreements support the access to new markets in photonics:

### Phoenix program:

- partnership with Poland
- program based on ProFIT

### ProFIT Brazil

- partnership with Santa Catarina
- program based on ProFIT
- access to PhD-students and Postdocs via CsF (scientist without borders)
- MoU with technology institute CERTI
  - software and electronic development
  - production plant for PCB's
  - experience in product development (OLED lamps for Philips)

Integration of the Photonics Cluster, organizing activities with regional partners

[www.photonics-bb.com](http://www.photonics-bb.com)

Delegations, tradeshowes and conferences

# Welcome to Berlin

## Your contact

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[danny.krautz@berlin-partner.de](mailto:danny.krautz@berlin-partner.de)

## Berlin Partner for Business and Technology

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Some projects of the Berlin Partner für Wirtschaft und Technologie Berlin GmbH are funded by the federal state of Berlin and the Investitionsbank Berlin, cofunded by the European Union – European Regional Development Fund. Investing in your Future.

