

Einladung & Programm  
Invitation & Program

## VDI-Kick-off-Meeting

18. März 2011 / March 18, 2011

Ort/Location: DIN, Deutsches Institut für Normung/  
*German Institute for Standardization*

# Kick-off-Meeting for project ISOBIONIK International Standardization of Bionic/Biomimetic Concepts

Gefördert durch:



aufgrund eines Beschlusses  
des Deutschen Bundestages

Organisiert durch / organised by:  
Verein Deutscher Ingenieure e.V.  
The Association of German Engineers  
VDI-Gesellschaft Technologies of Life Sciences  
VDI Society for Technologies of Life Sciences

## Vorwort/Foreword

Bionic/biomimetic concepts are on the brink of entering the market in a more than exemplary way. Germany, therefore, intends to propose an International Technical Committee for the standardization of bionic/biomimetic concepts. Profound expert know-how and operating experience are already at hand. 7 VDI Guidelines will be published at the beginning of 2011 which contain most of the bionic/biomimetic concepts (see [www.vdi.de/bionik](http://www.vdi.de/bionik)). All VDI Guidelines dealing with biomimetics will be published in German and English language and, therefore, can serve as a sound basis for the development of International Standards.

International Standardization and the development of ISO standards, is a task undertaken by experts who have been nominated by their national countries. For a start-up VDI plans to organise an ISO Technical Committee focussing on biomimetics. 3 Working Groups shall be founded within this ISO/TC.

This Kick-off-Meeting aims at specification of possible contents of the 3 working groups and raise the awareness of interested countries for the upcoming possibility to be nominated for this International Standardization Work.

We invite all interested stakeholders from companies, Universities and administration in the field of Biomimetics to take part in the development of future standards for the use of biomimetic solution strategies.

## Referenten / Speakers

Dr. Heike Beismann	VDI, Düsseldorf, Germany
Dr.-Ing. Ulrike Bohnsack	DIN, Berlin, Germany
Andrew Copestake PhD, FRSM	Swedish Biomimetics 3000, Sweden
Dr.-Ing. Michael Herdy	INPRO GmbH, Berlin, Germany
Prof. Dr. George Jeronimidis	University of Reading Whiteknights, Reading, UK
Dipl.-Ing. Wolfgang Sachs	sachs engineering GmbH, Engen-Welschingen, Germany
Dr. Heike Seitz	VDI, Düsseldorf, Germany
Prof. Dr. Thomas Speck	Albert-Ludwigs Universität Freiburg, Freiburg, Germany

## Moderatoren / Chairpersons

Dr. Heike Beismann	VDI, Düsseldorf, Germany
Volker Seibicke	DIN, Berlin, Germany

## Teilnahmegebühr / Participation fee

Teilnahme gebührenfrei / Participation free of charge

## Programm / Program

18. März 2011 / March 18, 2011

DIN, Berlin, Raum/room no. 909

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**13:30 Begrüßung / Welcome**  
Dr.-Ing. Ulrike Bohnsack, DIN, Berlin

**Sektion 1/Session 1: Organisatorische Aspekte/Organisational aspects**  
Moderation/Chairperson: Volker Seibicke, DIN, Berlin, Germany

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**13:45 ISOBIONIK – Aims of the project and VDI Guidelines as basis**  
Dr. Heike Beismann, VDI, Düsseldorf, Germany

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**14:00 Organisation of an ISO-TC, how to get involved, costs**  
N.N., DIN, Berlin, Germany

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**14:15 Bionic optimisation in industrial practice**  
Dipl.-Ing. Wolfgang Sachs, sachs engineering GmbH, Engen-Welschingen, Germany

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**14:30 Kaffeepause / Coffee Break**

**Sektion 2/Session 2: Stellungnahmen/Statements**  
Moderation/Chairperson: Dr. Heike Beismann, VDI, Düsseldorf, Germany

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**15:00 International aspects of standardization for Universities**  
Andrew Copestake PhD, FRSM, Swedish Biomimetics 3000, Sweden

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**15:15 Relevance of Standardization for commercialisation of biomimetic concepts**  
Prof. Dr. George Jeronimidis, University of Reading, Reading, UK

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**15:30 Working Group 1: Concept and strategy for bionic solutions**  
Dr. Heike Seitz, VDI, Düsseldorf, Germany

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**15:45 Working Group 2: Bionic structure and material**  
Prof. Dr. Thomas Speck, Albert-Ludwigs Universität Freiburg, Freiburg, Germany

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**16:00 Working Group 3: Bionic optimisation**  
Dr.-Ing. Michael Herdy, INPRO GmbH, Berlin, Germany

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**16:15 Zusammenfassung und Schlusswort / Summary and closing remarks**  
Prof. George Jeronimidis, President of Biokon international

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**16:45 Ende / Closure of scientific session**

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## Anmeldung / Registration

Die Teilnahme ist gebührenfrei / Participation is free of charge.

Bitte benutzen Sie unser Online-Anmeldeformular unter:

[www.vdi.de/isobionic-03-2011](http://www.vdi.de/isobionic-03-2011)

Please use our online registration:

[www.vdi.de/isobionic-03-2011](http://www.vdi.de/isobionic-03-2011)

## Organisation

Verein Deutscher Ingenieure e. V.  
VDI-Gesellschaft Technologies of Life Sciences  
Postfach 10 11 39  
40002 Düsseldorf  
[www.vdi.de/tls](http://www.vdi.de/tls)

Bei Fragen wenden Sie sich bitte an / For questions please contact:

Organisational questions:

Angelika Baumann  
Tel.: +49 (0)211 6214-266  
e-mail: baumann@vdi.de

Technical questions, contents of the program

Dr. Heike Beismann  
Tel.: +49 (0)211 6214-314  
e-mail: beismann@vdi.de

## Allgemeine Hinweise / General Information

### Veranstaltungsort/Location

DIN, Deutsches Institut für Normung e.V.  
Room 909  
Burggrafenstraße 6  
10787 Berlin  
GERMANY

## Anreiseinformationen / Travel Information

[http://www.din.de/sixcms\\_upload/media/2896/Lageplan\\_d.58836.pdf](http://www.din.de/sixcms_upload/media/2896/Lageplan_d.58836.pdf)

### Anreise per Auto / by car



Ihren **PKW** können Sie in der Tiefgarage des DIN parken. Zufahrt in der Budapester Straße 31 (Alexander-von-Humboldt-Haus).

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If you travel by car, you can park in the underground car park of DIN. Access via 31 Budapester Straße, (combined entrance to Dorint Hotel Schweizerhof and DIN/Beuth). Please use the right-hand lane.

### Anreise per Bahn / by train



**Nächster U-Bahn:** Wittenbergplatz, von dort ca. 5 Minuten Fußweg.

**Nächster Fernbahnhof:** Hauptbahnhof, von dort mit der S-Bahn bis Zoologischer Garten in Richtung Westkreuz. Ab Zoologischer Garten mit dem Bus 100 bis Bayreuther Straße (20 min.). (Bus 200 hält in der Nähe des Alexander-von-Humboldt-Hauses in der Budapester Straße). Taxi ca. 10 EUR.

**Nächster Regionalbahnhof und S-Bahn:** Zoologischer Garten, von dort ca. 10 Minuten Fußweg oder Bus 100 bis Bayreuther Straße (Bus 200 hält in der Nähe des Alexander-von-Humboldt-Hauses in der Budapester Straße).

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**Hauptbahnhof,** approx. 10 minutes by S-Bahn (city-rail) to Zoologischer Garten in direction Westkreuz. From there a 10 minutes' walk, or by Bus 100 to Bayreuther Straße (Bus 200 stops near the Alexander-von-Humboldt-Haus in Budapester Straße). Taxi approx. 10 EUR.

Nearest underground station (U-Bahn):

Wittenbergplatz, approx. 5 minutes walking distance.

### Anreise per Flugzeug / by plane



**Von den Flughäfen: TEGEL:** Bus 109 zum Bahnhof Zoo (30 min.), Bus X9 bis Bahnhof Zoo (20 min.). Taxi ca. 15 EUR.

**SCHÖNEFELD:** Airport-Express oder S-Bahn S9 bis Bahnhof Zoo. Taxi ca. 30 EUR.

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**From the Airports: TEGEL:** Bus 109 to Bahnhof Zoo (30 minutes), Bus X9 to Bahnhof Zoo (20 minutes). Taxi approx. 15 EUR.

**SCHÖNEFELD:** Airport-Express or S-Bahn (city rail) S9 to Bahnhof Zoo. Taxi approx. 30 EUR.