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Sebastian Kiss

Humboldt-Innovation GmbH

Ziegelstraße 30

10117 Berlin

+49 (0) 30 2093 70769

ski@humboldt-innovation.de

forumjungespitzenforschung.de

# Application

Please send your complete application documents by 31nd October 2022, 23:59 hrs at the latest by email to:  
bewerbung@forumjungespitzenforschung.de

If you have any questions, please contact Mr. Sebastian Kiss.

## Applicant (m/w/d)

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Name, first name

E-Mail

University

Research group/department

Academic chair/status

Project name

Abstract

for public use

(max. 1000 characters)



# Application

## Further team members (if existing)

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Name, first name \_\_\_\_\_

E-Mail \_\_\_\_\_

University \_\_\_\_\_

Research group/department \_\_\_\_\_

Academic chair/status \_\_\_\_\_

Name, first name \_\_\_\_\_

E-Mail \_\_\_\_\_

University \_\_\_\_\_

Research group/department \_\_\_\_\_

Academic chair/status \_\_\_\_\_

## Does your project already receive funding?

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Which? \_\_\_\_\_

## In which other competitions did you participate with your project?

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I/We have read the eligibility requirements and the transparency declaration and agree with them.



# Application

Short CV of all team members  
(max. 1000 characters per team member)

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Name, first name \_\_\_\_\_

Name, first name \_\_\_\_\_

Name, first name \_\_\_\_\_



# Application

## Idea description and innovation

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Describe your innovative science-based idea and the research results and research findings on which your idea is based, as far as they are necessary to the genesis and understanding of the idea. Focus on potential application areas and the problem your idea or solution addresses. Highlight the added value compared to existing alternatives (e.g., higher efficiency, cost savings).

**An example:** A research group has developed a new method to make kinetic energy usable for energy supply. The group's idea is to apply this technique to floor tiles to harness the kinetic energy of people or vehicles for clean energy generation. The added value of their idea is that otherwise unused kinetic energy is made usable for energy production. Unlike photovoltaic technology, kinetic energy generation works regardless of weather or general lighting conditions. In the field of kinetic energy-producing floor tiles, the researchers see a greater energy yield in the long term compared to the few competing technologies.



# Application

## Customer value and market

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Describe the potential target group or the potential market. Highlight the specific benefits of your innovation from the user's perspective. Please select at least one focus from the following list of characteristics to be addressed here from a customer or market perspective.

Efficiency | Durability | Smartness | New properties

**An example:** The floor tiles can be used effectively wherever there are many people or vehicles. Conventional floor coverings and building materials do not have energy-producing properties, which means that the researchers' idea is an innovation with new properties. The researchers cite cities and municipalities as a target group that could use

the floor tiles for planning public spaces. The researchers also identify discotheque operators as a potential target group (keyword: dance floor). They highlight: Any conventionally high frequented tiled floor is wasted potential and therefore potential savings in the need for resp. cost of externally sourced energy (e.g. for lighting) would be lost.



# Application

## Impact on society and environment

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Explain what positive effects on society and environment can be expected from the implementation of your research results and findings. Take a position on at least one of the major challenges of the future listed below and describe how your innovation could contribute to meeting this societal challenge.

Fairness & social justice | Sustainability | Resource conservation | Climate-friendliness & climate-neutrality | Health & quality of life | Inclusion & gender equity | Security of supply

An example: Energy-related emissions accounted for about 83% of German greenhouse gas emissions in 2020. Accordingly, the researchers argue that emission-free energy sources are among the most climate-friendly or climate-neutral innovations. The researchers see their tiles in the context and tradition of clean renewable energies such as solar or wind energy. The team gives an estimate of how much of Germany's emissions could be reduced by their innovation. However, renewable energy sources often have one problem: security of supply. Since individual energy sources are often also dependent on external factors, they might not be able to meet the ever-increasing demand for energy in a planning-safe manner. In this sense, the team argues, their tiles have an advantage: the utilisation of a dance floor or f.ex. railway station can be forecast relatively well and reliably.



# Application

## Feasibility

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Describe which barriers have to be overcome until the idea is ready for use or implementation. Explain which prerequisites must be created for this and which resources are necessary. In particular, explain which technical, ethical or other risks exist and, if applicable, which strategies for safeguarding or adjustment could be applied.

**An example:** The group has already provided evidence of the general feasibility of their method as part of their research. They mainly identify three barriers or risks for the implementation of their idea. a) Compared to conventional floor coverings, their kinetic floor tiles would be relatively expensive and the energy yield for this relatively low. Accordingly, the relationship between initial costs and energy yield should be optimized in the future. b) There is a chance that the technique developed by the researchers will not promise a higher energy yield in the long term than that

of competing technologies after all. In that case, the focus would have to be on resource and cost savings. c) The researchers also comment on the problem of data protection. The kinetic floor tiles would not only produce energy, but could also read motion data. The research group does not consider the problem to be too big, since the tiles would only be used where there is a lot of passenger or vehicle traffic, and reading out individual personal data (while complying with general data protection standards) would therefore not provide any information about individuals.



# Conditions of participation

This English version is just for your information. Only the German version is legally binding. You can find the German version in the German application form. You can download it here:

<https://forumjungespitzenforschung.de/bewerben>

## 1. The competition „Forum Junge Spitzenforschung“

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The goal of the competition is to make young scientists from Berlin aware of the application possibilities of their research and to make the innovative potential of their research visible to the public. Therefore, research-based ideas for application from young scientists (m/w/d) on an annually changing topic are sought.

The topic for 2022 is „Future of Materials and Material Production“.

The competition is organised by Humboldt-Innovation GmbH. The prizes are provided by the Stiftung Industrieforschung. The competition is organised in cooperation with the Freie Universität Berlin, Humboldt-Universität zu Berlin, Technische Universität Berlin and Charité-Universitätsmedizin Berlin.

## 2. Eligibility

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The following target groups are eligible to participate:

- Doctoral students, PostDocs and research assistants (m/f/d)
- Junior professors and senior physicians (m/f/d)

Participation is possible as an individual and as a team.

Only one submission per participant (m/f/d) or team is possible.

All ideas with a clear connection to research at Freie Universität Berlin, Humboldt-Universität zu Berlin, Technische Universität Berlin or Charité-Universitätsmedizin Berlin and other Berlin research institutions may be submitted.

If the idea has already been awarded in other competitions, participants must refer to this in their application. The current funding must also be stated in the application. The idea must have been developed independently by the participants and must not infringe the rights of third parties.

Please note: if you are planning to apply for a patent, please discuss this with the patent office of your institution beforehand, as participation and the presentation of your idea may be detrimental to novelty.



# Conditions of participation

## 3. Bewerbungsverfahren

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The application documents must be complete. Incomplete submissions or submissions exceeding the specified scope cannot be considered.

The current application documents can be downloaded from the following website:

<https://forumjungespitzenforschung.de/apply>

Applications can be submitted in German or English.

Deadline for submission of application documents is 31.10.2022, 23:59 (date of receipt by e-mail).

Subsequent changes to the application documents are not permitted; this also applies to the composition of the participating teams.

The application documents must be submitted via e-mail to: [bewerbungen@forumjungespitzenforschung.de](mailto:bewerbungen@forumjungespitzenforschung.de)

## 4. Participant selection

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In the first round, a jury will evaluate all submissions primarily according to the following criteria:

- Innovative content of the idea
- Economic potential
- Social or ecological potential
- Feasibility

The six best-ranked applicants (m/f/d) or teams will be invited to present their ideas on 22.11.2022. The decision will probably be made by 11.11.2022.

## 5. Implementation of the competition

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The presentations of the finalists (m/f/d) must be submitted by 21.11.2022. On the day of the Forum (22.11.2022), the finalists will present their ideas in front of a jury of experts and an audience.

1st place will receive a 10,000 EUR prize, 2nd place 8,000 EUR and 3rd place 6,000 EUR. The other finalists who attend the day of the Forum and present their idea will each receive 2,000 EUR for their further research.

The prizes will be paid exclusively to the respective research institution.



# Conditions of participation

## 6. Confidentiality

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The organiser and the partners of the Ideas Competition will treat the submitted ideas confidentially.

## 7. Data privacy information

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The person responsible for data processing is:  
Humboldt-Innovation GmbH, Ziegelstraße 30, 10117 Berlin.

The data privacy officer of Humboldt-Innovation GmbH is lawyer Dr. Stephan Gärtner  
(gaertner@thenextstanhope.de).

If you have any questions about data privacy law or your data subject rights, require further information or suspect misuse of recordings, you can contact our data privacy coordinator Ms Valeska Heitmann LL.M.  
(jvh@humboldt-innovation.de) directly.

If you have any other questions about the recordings, please contact [sebastian.kiss@humboldt-innovation.de](mailto:sebastian.kiss@humboldt-innovation.de).

If you wish to exercise your right to object, simply send an e-mail to [info@humboldt-innovation.de](mailto:info@humboldt-innovation.de).  
For further details, please refer to our transparency declaration.

## 8. Liability

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Liability of the organiser for damages of the customer for any legal reason - including delay, impossibility, poor performance and non-contractual (tortious) liability - is excluded, unless the damage was caused by gross negligence or intent on the part of the organiser. The organiser shall not be liable for damage caused by viruses on copied data carriers.

As a matter of principle, data carriers brought by participants may not be copied onto the organiser's computers. If the organiser suffers damage as a result of a violation of this rule, it reserves the right to assert claims for damages.

The organiser assumes no liability for statements and behaviour of jurors and other persons involved in the competition.

There is no entitlement to payment of the prizes awarded. If none of the entries is deemed worthy of a prize by the jury, no prize may be awarded.

The organiser reserves the right to amend the conditions of participation or to cancel or terminate the competition at any time without notice and without giving reasons.



# Conditions of participation

## 9. Miscellaneous

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Any recourse to court of law is excluded.

The participants in the competition agree to present their idea at the closing event and to participate in public relations activities.

Participation in the competition implies agreement with the above conditions.



# Transparency declaration

## General part

### Group of persons addressed

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This transparency declaration is addressed to all persons who participate in one of our events.

### Party responsible

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The person responsible within the meaning of Article 4(7) DSGVO is: Humboldt-Innovation GmbH, represented by Volker Hofmann, Ziegelstraße 30, 10117 Berlin, e-mail: info@humboldt-innovation.de. The data protection officer of Humboldt-Innovation GmbH is lawyer Dr. Stephan Gärtner (gaertner@thenextstanhope.de), who can be contacted at the above address, in the name of the data privacy officer.

The data submitted will only be used and stored for the purpose of applicant management. Your data will only be passed on to third parties if Humboldt-Innovation GmbH commissions other companies and individuals to perform tasks within the scope of order processing.

Right to information: In accordance with the Federal Data Protection Act, you have a right to free information about your stored data and, if applicable, a right to correction, blocking or deletion of this data.

### Your rights

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You have several rights with regard to the personal data processed about you under the General Data Protection Regulation. In particular

- the right to information about the stored personal data,
- the right to have inaccurately stored personal data corrected,
- the right to erasure of personal data for which there is no legal basis for further storage,
- the right to restrict the processing of stored personal data,
- the right to data portability,
- the right to complain to the supervisory authority for data protection responsible for us.

Insofar as the factual prerequisites of the respective claims are given and we can identify you, we will fulfil your claims promptly.

### Processing operations involving automated decision-making (including profiling, where applicable)

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We do not use automated decision-making.



# Transparency declaration

## General part

### Data transfer to bodies outside the European Union

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1. It is possible that we transfer personal data to bodies that are located outside the European Union or at least cannot exclude this (henceforth: third country body). In these cases, we must guarantee in accordance with Article 44 DSGVO that the level of protection provided by the DSGVO will not be undercut. As a precaution, we would like to point out that the third country agency can be both a controller and a processor.
2. Insofar as we refer to a so-called adequacy decision in the following declaration, this means that the third country agency is located in a country, territory or specific sector for which the Commission has decided that it offers an adequate level of protection. This guarantee then follows from Article 45 DSGVO.
3. Insofar as we refer to the so-called standard contractual clauses in the following declaration, this means that the third country body accepts the so-called EU standard contractual clauses and has thus contractually committed itself to respecting the level of protection of the General Data Protection Regulation. This guarantee then follows from Article 46(1) and (5) DSGVO.
4. Insofar as we refer in the following statement to the fact that you have consented to the transfer to the third country body, this means that you have been informed about all existing possible risks of such transfers for which there is no adequacy decision or other guarantees and have nevertheless consented to the data transfer. This guarantee then follows from Article 49(1)(a) DSGVO. For reasons of transparency, we describe the corresponding risks in a separate section.
5. We are only providing this information as a precautionary measure. It only applies if we refer to it in the following declaration. There is also the possibility that we do not make use of this.

### Special constellation: EU standard contractual clauses and third-country bodies based in the USA

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1. In addition to the explanations under „Data transfer to bodies outside the European Union“ - paragraph 3, we draw your attention to a special constellation. In the case of transfers to third-country bodies based in the USA, the possibility of invoking the EU standard contractual clauses is restricted. Therefore, if we intend to (or already do) invoke the EU standard contractual clauses in this context, please note the following:
2. We will not rely on the EU Standard Contractual Clauses to transfer personal data to US third country entities unless we have first conducted a thorough review of the facts involved. In doing so, we first determine a risk level (type and, in particular, sensitivity of the data concerned, scope of data processing, purpose of data processing, susceptibility to abuse). We then check whether the contractual commitments of the US third-country office and the technical and organisational measures taken there (e.g. processing of data exclusively in EU-based data centres, encryption technology) sufficiently minimise the risks identified in advance. Only if we come to the conclusion that the EU standard contractual clauses are also a sufficient guarantee for a US third country office by way of exception, will we invoke this.
3. We are only providing this information as a precautionary measure. It shall only apply if we refer to it in the following declaration. There is also the possibility that we do not make use of this.



# Transparency declaration

## General part

### Note on the legal obligation to process data

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Only if we refer to Article 6 (1) sentence 1 lit. c DSGVO in the following data protection declaration is there a legal obligation to process.

### Special Part

### Processing operations for which your consent is required (Legal basis Article 6 (1) sentence 1 lit. a DSGVO)

### General information on the purpose and legal basis of the processing operations described below

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1. The purpose of the processing operations described below is described separately below.
2. The legal basis for the respective data processing is your consent pursuant to Article 6 (1) sentence 1 lit. a DSGVO. According to this provision, the processing of your personal data is permissible if you have given your consent to the processing of the personal data relating to you for one or more specific purposes.
3. It is possible for you to give your consent via a cookie banner or by setting a checkbox.
4. Profiling does not take place unless it is explicitly mentioned below.

### General information on the storage period for data in the context of the processing operations described below

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We store the data until you have revoked your consent.



# Transparency declaration

## Special part

### Note on the legal basis „consent“

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1. If we obtain your consent for processing, you have the right to revoke this consent at any time with effect for the future. As a rule, this is possible by sending an informal message to us (cf. „Person responsible.“ above) without incurring any costs other than the transmission costs according to the basic rates.
2. Furthermore, we would like to point out that we process further of your personal data within the scope of obtaining your consent. These are, on the one hand, identity features (such as your name, your e-mail address, your IP address) and, on the other hand, protocol data on consent (time of consent, status of consent, scope of consent). We base this data processing on Article 6 (1) sentence 1 lit. c DSGVO in conjunction with Article 7 paragraph 1 DSGVO. The purpose is the need to prove that you have given your consent.
3. We store the identity features and protocol data for consent until the end of the third calendar year following the year in which you revoke your consent. The legal basis for this storage is Article 6 (1) sentence 1 lit. f DSGVO, whereby our legitimate interest follows from the fact that we must be able to prove within the relevant limitation period under civil law that you have consented and what you have consented to.

### Recordings

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Only insofar as we actually make photo and film recordings in order to hold our event (this is not the case at every event), the following applies:

1. We will make audio and film recordings of you and publish these in our mailings and other communication and advertising channels.
2. The legal basis is your consent, which you give when registering for the event. The processing is also not prevented by the fact that sensitive data may also be processed in accordance with Article 9(1) DSGVO. This is because the exception under Article 9(2)(a) DSGVO applies here because your consent also covers the processing of this data (e.g. health data from wearing glasses). You give your consent first by activating the checkbox. Furthermore, you have the option to leave the sound and/or image transmission inactive throughout. If you activate the sound and/or image transmission, you also consent to the associated processing.



# Transparency declaration

## Special part

### Processing operations necessary for the performance of contracts (legal basis Article 6 (1) sentence 1 lit. b DSGVO)

#### General information on the purpose and legal basis of the processing operations described below

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1. The purpose of the processing operations described below is the establishment, performance and/or termination of contracts.
2. The legal basis for the respective data processing is Article 6(1) sentence 1 lit. b DSGVO. According to this provision, the processing of your personal data is also permissible without your consent if it is necessary for the performance of a contract to which you are a party or for the implementation of pre-contractual measures that are carried out at your request. This is the case here.
3. Profiling does not take place unless it is expressly mentioned below.

#### General information on the retention period of data in the context of the processing operations described below

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1. We store the data for as long as is necessary to establish, perform and, if applicable, terminate the contract.
2. If a contractual relationship is concluded between us, we store the data additionally until the expiry of our statutory retention periods. The legal basis for this is Article 6 paragraph 1 sentence 1 lit. c DSGVO in conjunction with. § 147 AO, § 257 HGB. According to these regulations, some of the above-mentioned data must also be retained beyond the time when the purpose has been achieved. Thus, we may be obliged to,
  1. to retain for ten years personal data resulting from books and records, inventories, annual financial statements, individual financial statements pursuant to § 325 (2a) HGB, consolidated financial statements, management reports and group management reports, opening balances, accounting vouchers, documents pursuant to Article 15 (1) and Article 163 of the Union Customs Code, commercial books as well as the work instructions and other organisational documents required for their comprehension. As a rule, the retention period begins with the end of the calendar year in which the relevant document came into being (Article 6 (1) sentence 1 lit. c DSGVO in conjunction with § 147 AO or i.e. § 147 AO). § 147 AO or i.V.m. § 257 HGB),
  2. to retain data on your person resulting from received commercial or business letters, from the reproduction of the received commercial or business letters as well as from other documents that are of importance for taxation for six years, whereby the retention period generally begins with the end of the calendar year in which the relevant document arose (Article 6 paragraph 1 sentence 1 lit. c DSGVO in conjunction with § 147 AO or i.V.m. § 257 HGB). § 147 AO or i.V.m. § 257 HGB).



# Transparency declaration

## Special part

### Your participation

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If you participate in our event, we process all data that you provide to us, regardless of whether this is for a fee or free of charge, as well as all data that is absolutely necessary for the establishment, implementation and termination of the associated contract (which may not be for a fee).

### We use the following subcontractors within the scope of the event implementation:

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1. sendinblue GmbH, Köpenicker Straße 126, 10179 Berlin. You can find more information on data protection with this provider here: <https://de.sendinblue.com/datenschutz-uebersicht>
2. Converia a registered trademark of Lombego Sysdtems GmbH, Kaufstraße 2-4, 99423 Weimar.
3. You can find more information on data protection with this provider here: <https://www.converia.de/en/privacy-policy.html>