



Contact person international cooperation

Dr. rer. nat. **Daryna Dechyeva**

☎ +49 351 463 37956

✉ daryna.dechyeva@tu-dresden.de

Internationalisation

The lively international activities of 2019 were carried over into the new year, so that a wide range of new projects could be initiated and launched in the first three months of 2020. As the pandemic progressed, many of these activities had to be postponed or moved to the digital space, but this only slightly limited the intensity of the international

activities. Rather, it offered the opportunity to test and introduce new tools and methods of digital cooperation, so that it can be assumed that the use of hybrid formats will enrich and intensify international cooperation in the long term.

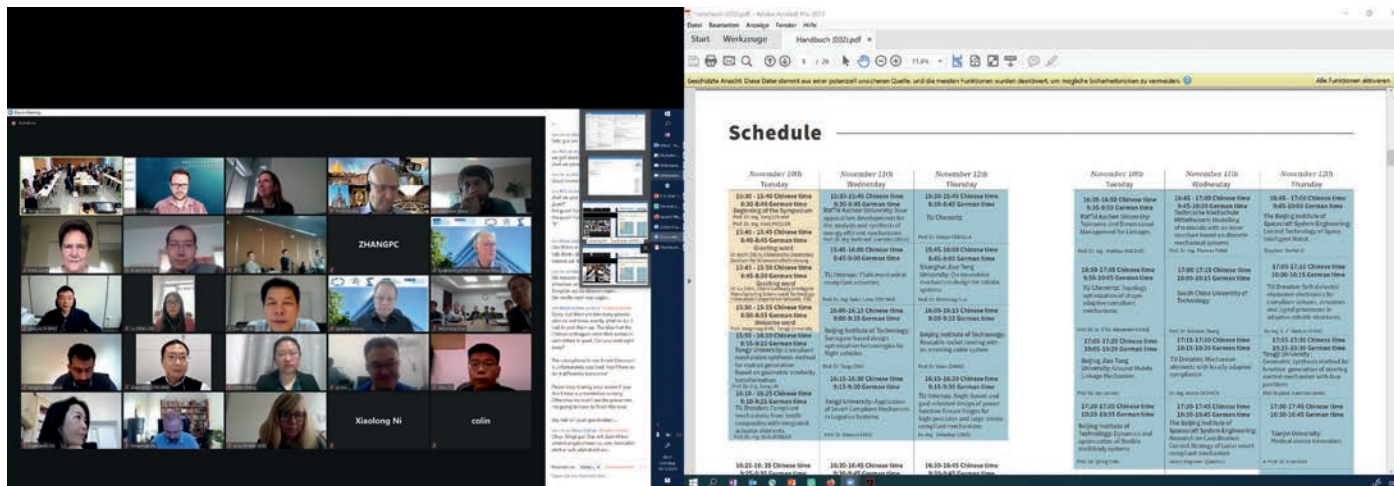


Ethiopia	Addis Ababa Science and Technology University
Australia	Deakin University, Melbourne
China	Tongji University, Shanghai Beijing National Innovation Institute of Lightweight, Peking Chinese Academy of Science, Ningbo Institute of Materials Technology
Greece	National Technical University of Athens University of Patras
Great Britain	University of Bristol Imperial College, London University of Oxford
India	Indian Institute of Technology, Neu Delhi
Italy	Università di Bologna
Latvia	Technical University, Riga
Netherlands	Technical University Delft
Poland	Politechnika Warszawska, Warschau Politechnika Wrocławska, Breslau Politechnika Poznańska, Posen Akademia Górniczo-Hutnicza, Krakau Politechnika Śląska, Gleiwitz
Romania	Politehnica University of Timisoara
Singapore	Nanyang Technological University
South Korea	Korea Institute of Science and Technology Jeonbuk Branch Korea Institute of Carbon Convergence Technology, Jeonju Korea Institute of Materials Science, Changwon
Ukraine	National Aviation University, Kiev

Sino-German Symposium on Compliant Mechanisms

One of the highlights of 2020 was the Sino-German Symposium on Compliant Mechanisms, which was organised by ILK from 10 – 12 November together with the Chinesisch-Deutschen Hochschulkolleg (CDHK) of Tongji University Shanghai with the participation of numerous German and Chinese university partners. The symposium was funded by the German-Chinese Centre for the Promotion of Science (CDZ), which is a joint venture of the German Research Foundation (DFG) and the National Natural Science Foundation of China (NSFC) that focuses, among other things, on scientific cooperation in the engineering sciences. The original plan to hold the symposium in May 2020 at Tongji University was thwarted by the Corona pandemic, so the project leaders Prof. Niels Modler and Prof. Song Lin decided to move the symposium to November and to organise it digitally. In the virtual

event, which was held across time zones, the participants had the opportunity to present their current research and discuss it with renowned experts from Germany and China. The participants included representatives from TU Dresden, TU Chemnitz, RWTH Aachen, TU Ilmenau and Hochschule Mittelhessen on the German side and from numerous research institutions on the Chinese side, including Tongji University, Tianjin University, Jiao Tong University and the Beijing Institute of Technology. Afterwards, the event was considered a complete success by all participants and the experience gained from it will be used to shape future cooperation activities.



Deutscher Akademischer Austauschdienst
German Academic Exchange Service

Together with IIT Delhi against environmental pollution



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Within the framework of the joint call for proposals "Indo-German Partnerships in Higher Education (IGP)" of the German Academic Exchange Service (DAAD) and the Indian University Grants Commission (UGC), the project "Combating Environmental Pollution through Internationalisation of Education (COMPOLL)" was launched, which the ILK is implementing together with the Institute of Technology Delhi (IIT Delhi). The IIT Delhi and the TU Dresden have been working together for many years in various scientific disciplines such as mechanical engineering, rotordynamics, tribology or computer science in order to ensure resource efficiency of products, processes, sustainable systems and materials. A strategic cooperation to combat pollution and reduce the human footprint requires overarching cooperation between main environment-focussed players on the Indian and German sides. The

present project aims at bundling the existing contacts and activities and putting them at the service of increasing pollution awareness by means of waste reduction and recycling, utilisation of biologically based materials as well as return to design solutions allowing repair and overhaul. The aim of the project is to help intensify co-operation between the two universities over the next four years by intensifying partnership at the institutional level and developing and implementing innovative teaching and research profiles. In addition to curricular design, the planned activities include the implementation of summer schools, workshops and conferences, and several

study and research visits to the respective partner are also planned. The project is based on the long-standing history of cooperation between the ILK and the IIT Delhi. An overarching goal of the DAAD and the UGC is to network all project partners funded under the IGP on both the Indian and German sides in order to facilitate an exchange of experiences and to exploit possible synergies.

Model project: Focus on the academic success of international students at the ILK

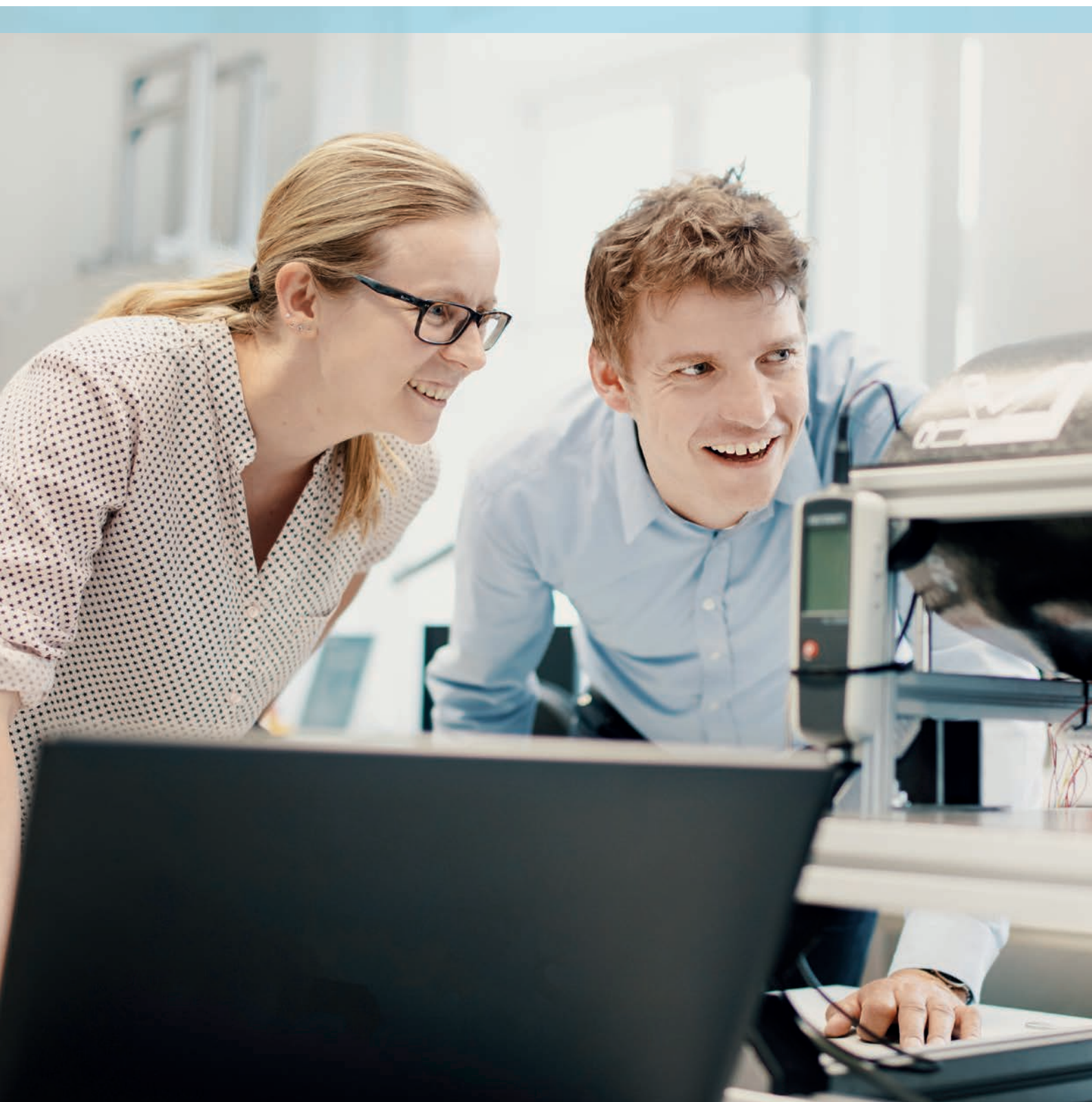
As part of the DAAD funding initiative “STIBET II – Modellprojekte zur Verbesserung der Willkommenskultur”, the ILK was positively evaluated in autumn 2020 for the project “Erfolgreich – Digital – Integriert: Studium an der TU Dresden (EDI:TUD)”, which starts in January 2021. This was the first time that the Technische Universität Dresden succeeded in participating in the STIBET programme, which has been running since 2006. Due to its particularly high proportion of international students, the ILK is acting as a model location. In the course of the project, approaches are being developed which have a model character and which can also be transferred to the entire TUD and further on to other universities.

In concrete terms, the EDI:TUD project aims to provide international students with close support directly in their immediate everyday study environment throughout their entire path to graduation, in order to avoid students dropping out, to shorten the overall duration of their studies, to improve their study results and to facilitate their integration into the TU Dresden. It relies heavily on the close networking of German and international students. In addition, international students are to be recruited as junior academics for later doctoral projects while they are still studying by involving them in a tutor activity at an early stage. The project is closely accompanied by the Centre for Quality Analysis (ZQA).

Expansion of the Erasmus+ network

Due to travel and mobility restrictions, several mobilities planned through Erasmus+ (KA 103 and KA 107) could not be carried out. Thus, visiting scholar stays to and from South Korea and China were postponed to the next year. Nevertheless, the ILK took advantage of the pandemic-related break to establish and expand the Erasmus+ network: The ILK renewed Erasmus agreements with numerous partners that have been in place for many years, so that students, researchers and administrative staff can continue to benefit from the ILK's strong network in the future and incorporate stays abroad for study, research or further education purposes into their CVs. At the same time, the ILK expanded its Erasmus network to include new international partners, such as the University of Patras. Particularly noteworthy is a new cooperation agreement concluded in September 2020 with the Addis Ababa University of Science and Technology in Ethiopia, which is the result of a networking visit conducted in the summer of 2019.





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Holbeinstr. 3 | 01307 Dresden
Tel.: +49 (0)351 463-37915 | Fax: +49 (0)351 463-38143
ilk@msx.tu-dresden.de | www.tu-dresden.de/mw/ilk

Prof. Dr. rer. nat. Hubert Jäger
Prof. Dr.-Ing. habil. Maik Gude
Prof. Dr.-Ing. Niels Modler

Editorial Office: Dr.-Ing. Marco Zichner, Diana Wolfrum

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