

Foreword to the Proceedings of the Symposium “Regensburg Applied Biomechanics”



There can be no doubt that in the future, cooperation between different academic disciplines will play an increasingly important role. Such cooperation provides opportunities to combine the insights gained in scientific fields which at first sight are completely independent of one another. This is true to an outstanding degree of the collaboration between the engineering sciences and medicine, in which biomechanics is a particularly fruitful and productive field. Engineers make their contributions in areas such as, among others, information processing, sensor technology, new materials, complex calculation procedures, production engineering, imaging processes and signal processing.

Over the last few years, an extraordinarily constructive symbiosis has developed between the University of Regensburg and Regensburg University of Applied Sciences, in which both the Biopark and the city of Regensburg are also closely involved. The city has thus proved itself to be a highly suitable focal point for Biomechanics, so that it was a logical decision to hold there for the first time a symposium entitled “Regensburg Applied Biomechanics”.

It is significant that for this event, organised jointly by the University and the University of Applied Sciences, it was the University of Applied Sciences that was chosen as the location, in order to make use of the infrastructure that is available there. The response to the event was positive in the extreme. Participants from 16 countries took an active part in the conference proceedings. Forty-one papers were presented, of which four were keynote lectures. One of the highlights was, without any doubt, the real time transmission of a live surgical operation from the University Hospital. The proceedings were rounded off by two round-table sessions.

The success of this conference gives good grounds to hope that "Regensburg Applied Biomechanics" will continue in the future.

Those responsible for the conference and for its organisation deserve our particular thanks and appreciation. Thanks are due in special measure to Professor Dr. med. Michael Nerlich of the University of Regensburg and Professor Dr.-Ing. Joachim Hammer of Regensburg University of Applied Sciences.

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