

Biomechanics colloquium

Thursday, 19 July 2018, 17:00 c.t.

Kleiner Hörsaal Anatomie

Pettenkofenstr. 11 – LMU, Anatomische Anstalt – 80336 München

Debasis Sahoo, PhD

Automotive Safety Technologies GmbH (ASTech)

speaks on

Tissue-based head injury risk prediction with FE models

Debasis Sahoo received his Master degree in Mechanical Equipment Design from Indian Institute of Technology, Delhi, and joined the Biomechanics team of Prof Rémy Willinger at Strasbourg University to obtain his PhD in 2013 with a thesis on advanced tissue-based head injury risk prediction.

Numerical head models have on the one hand recently made a big step forward in terms of injury prediction capabilities by the establishment of axonal strain as a criterion for diffuse axonal injury (DAI). On the other hand, the application of such FE head models has received a push from the inclusion of the Strasbourg University Finite Element Head Model (SUFEHM) in the EURONCAP monitoring and integration of a SUFEHM version in X-Crash software as well as from the discussion of advanced kinematic criteria (BrIC).

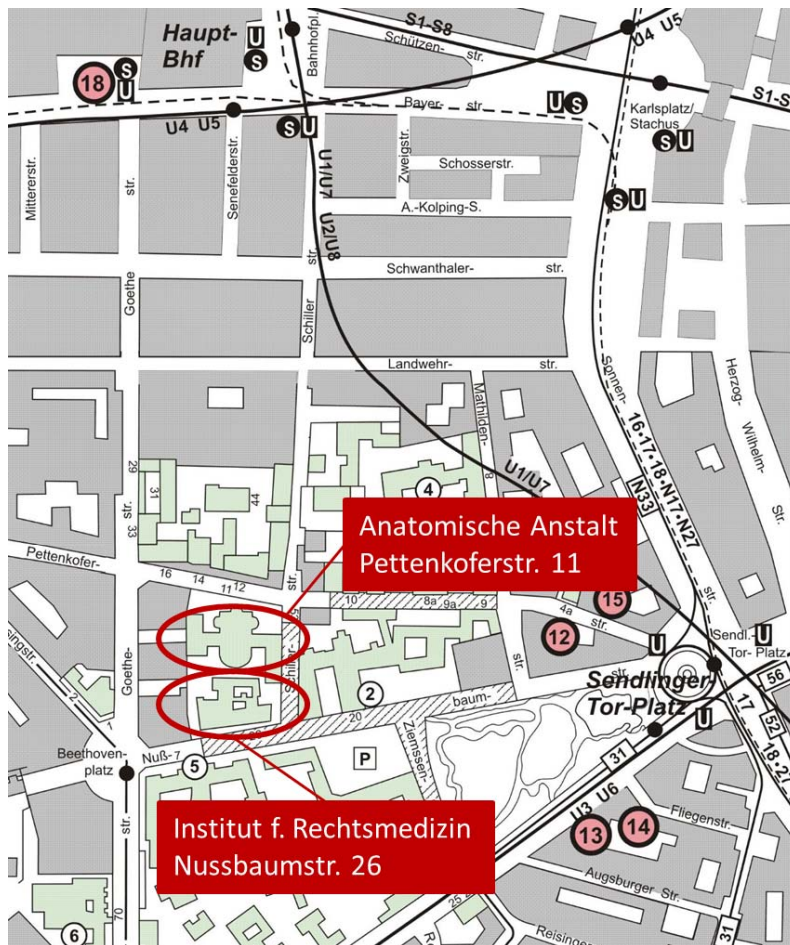
The lecture will give insight into a state-of-the-art model and its capabilities in terms of risk prediction.

The scientific discussion may be continued after the event in the brewery Paulaner Bräuhaus, Kapuzinerplatz 5, 80337 Muenchen.

Prof. Dr. rer. biol. hum. Dipl.-Ing. Steffen Peldschus

Head of Biomechanics and Accident Analysis Group

Venue:



Anatomische Anstalt

Pettenkoferstraße 11

D-80336 München

Directions:

From the central train station ("Hauptbahnhof")

It's a 10min walk to the venue

By car

The venue is close to the central train station, please see the attached map. There are no parking facilities and public parking is very restricted and charged! One of the closest underground parkings is located at Senefelderstraße 7 – 13

(<http://www.cityparking.de/index.php/parken/standorte/muenchen/parkgarage-senefelderstrasse>)

By taxi from the airport

40min, around 60 Euro

By public transport from the airport

Take any train ("S-Bahn"), they all run to the city centre, 6 trains hourly from 6.00 to 23.00, travel time ca. 45min.

Exit at central station ("Hauptbahnhof"), from there, it's a 10min walk