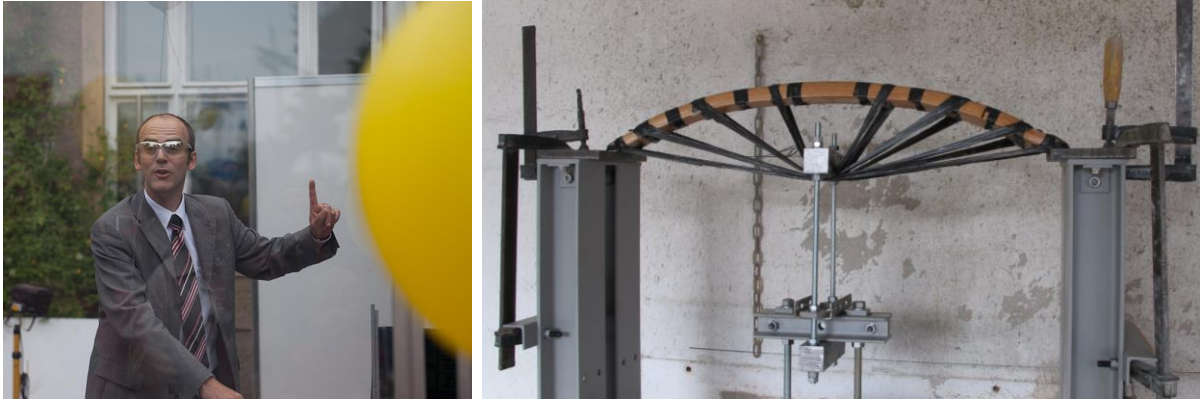




...up to bridge collapse!



The Long Night of Science in Dresden takes place on 10th June 2016. The Faculty of Civil Engineering is involved again with numerous events and tours. At the Experimental Show "...until the beams bend" bridge models will be tested until it crackles, crunches and ... up to bridge collapse! These bridges are built by YOU, students. It wins the bridges, which has the best weight-load-ratio.

The bridge must meet the following requirements for participation:

Length: 104.5 cm
Width: max. 10 cm
Height: max. 20 cm
Weight: 1 g up to about 2000 g (significantly heavier constructions negotiable)

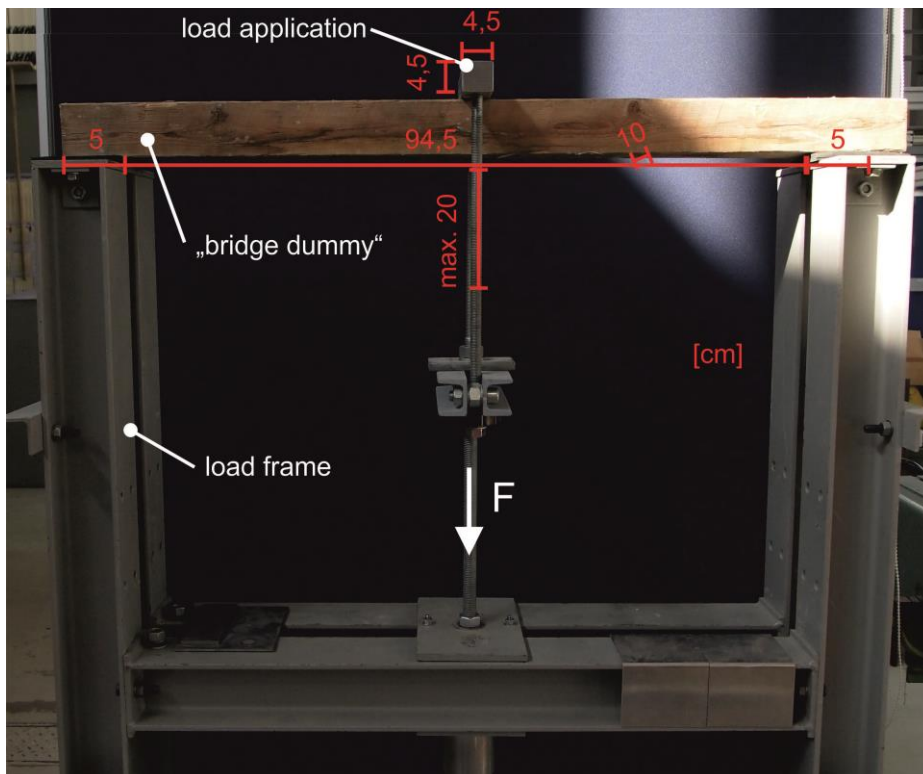
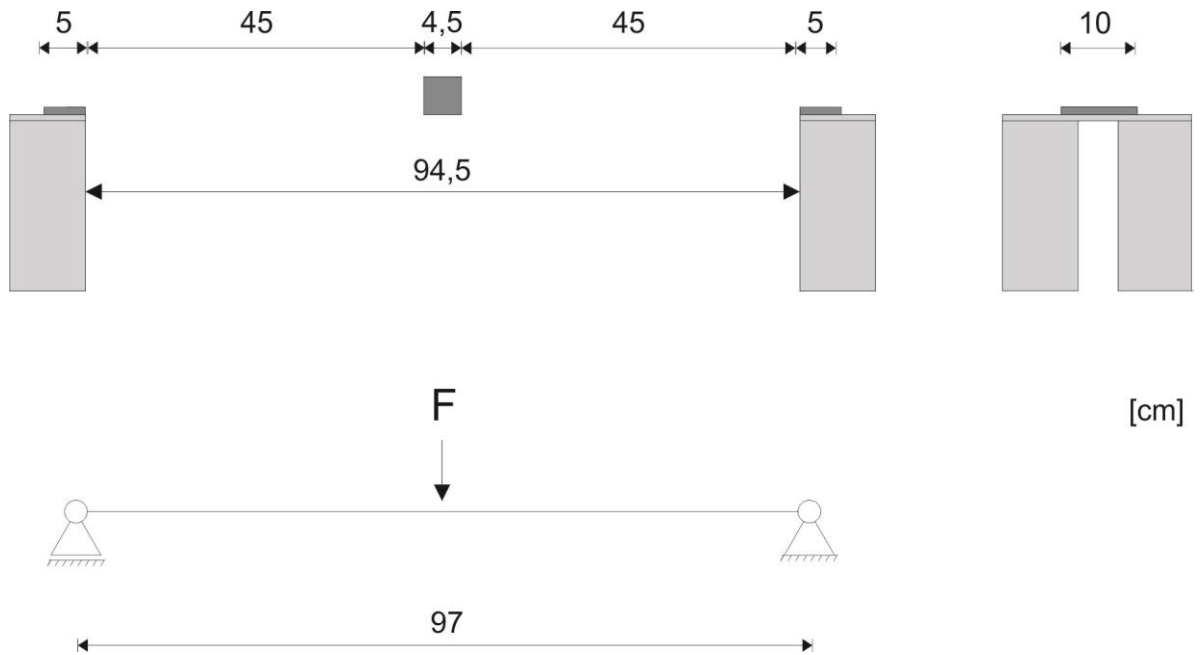
All materials may be used for the bridge construction. The load is carried out by a single load (see diagram on page 2). The type of exposure should be considered when choosing the support system. The bridge models must be submitted by Monday prior to the date of the Long Night (06th June) in BEY 85. The following prizes will be awarded:

1. Prize **Free participation in the bridge excursion 2016**
2. und 3. Prizes **Cinema vouchers**
Prize for every bridge **Food/Drink vouchers for the BBQ stand of the civil engineers**

For further questions or more information, simply ask Dipl.-Ing. Matthias Quast, (matthias.quast@tu-dresden.de, BEY 66, Tel: 0351/463-36110) or Dipl.-Ing. Tilo Senckpiel (tilo.senckpiel@tu-dresden.de, BEY 85, Tel: 0351/463-36912). A brief e-mail to preregister is not a prerequisite to participate and not binding, but helpful for our planning and therefore highly appreciated.

Good luck and much success!

appendix: Plan and photo of the loading device



The maximum height shown in the photo for a possible tension boom is also true for a possible superstructure. The bridge should not exceed a total height of 20 cm .

Further information about Bridge Excursion 2016 – Oliver Steinbock, oliver.steinbock@tu-dresden.de