



KOMBO

Koło Naukowe Mechaniki Konstrukcji



About us

About us

KOMBO (Koło Naukowe Mechaniki Konstrukcji – Scientific Circle of Structural Engineering from Gdańsk University of Technology)

We are a group of active students constantly looking for new challenges. Our activity encompasses broadly defined issues of the structural engineering. We participate in different kinds of competitions, including the ones we organise by ourselves. The most important of them is called 'wyKOMBinuj mOst' ('Create your bridge'). We also engage in students' self-help by preparing learning resources and extra classes, available also for students from outside the Circle. We aren't afraid of the new ways for our development. We systematically reach the goals that we put in front of us. Not to mention, we don't forget about good fun.





Budmika `18

This year four members of the Circle presented their papers during the conference. One of them received a prize of the jury.



Tutorials

We successfully arrange extra classes, helping our friends in getting the knowledge!



Steel Bridge Competition

Our 5-people team competing in Wrocław built a bridge that carried the biggest force in the contest.



Power Tower Competition

Our teams also competed in Koszalin in a wooden tower contest.



Education of Youth

We are very proud when we can share our passion with others while having a good fun!

The Circle's activity

We are everywhere!

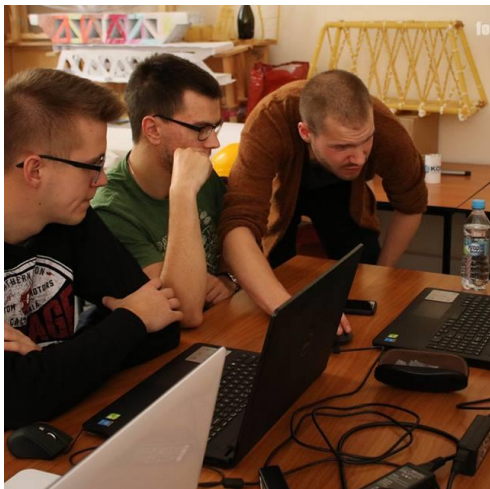
In KOMBO we can't complain about stagnation and lack of actions. Everytime our members want to exhibit their limitless ambition and will to use their knowledge in practice, which makes us very proud. As a result, our large presence shows every single time we have a chance.

Courses

We make sure that **our community** is constantly improving

AxisVM

Together with gammaCAD, we arranged a course of this software, very useful in construction engineer's daily routine.



AutoCAD

Obviously we didn't forget about our **younger colleagues**. That's why we arranged a course of this essential software.



Awards

KOMBO titled **the best** scientific circle of the Pomeranian Voivodeship!



Czerwona Róża Award

Czerwona Róża – an award of rich traditions, going to best students and scientific circles since 1962. Nearly 60-year history of the contest is very rich.

The Czerwona Róża Award went originally to poets, writers, later also to young scientists. Today, the winners are well-known doctors, engineers, architects, businessmen, politicians. After a while, the contest had a hiatus. In 1999, 20 years ago, the Award was reactivated thanks to the Czerwona Róża Association.

We were taking part in the final event of 2018, where KOMBO was awarded with **The Best Pomeranian Scientific Circle Award!**

Events

24-26 April 2019



wyKOMBinuj mOst 2019

Construction competition

The participants are facing a challenge of constructing a 1-metre-long bridge span using paper and a glue. This seemingly easy task requires a very good spatial imagination and creativity with technical knowledge.



KOMBOferencja `19

Construction engineering conference

The conference is held on the second day of the event. During this conference, the speakers are discussing their papers about broadly defined construction engineering: design and construction. This year, the conference is split into three parts: introduction, industrial and scientific.

wyKOMBinuj mOst

Construction competition



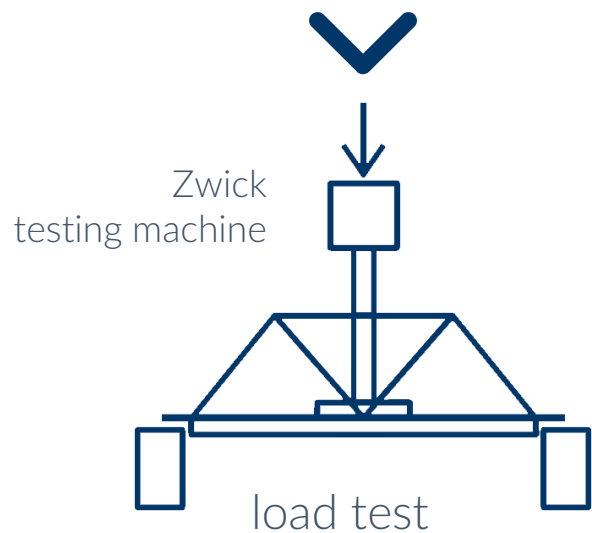
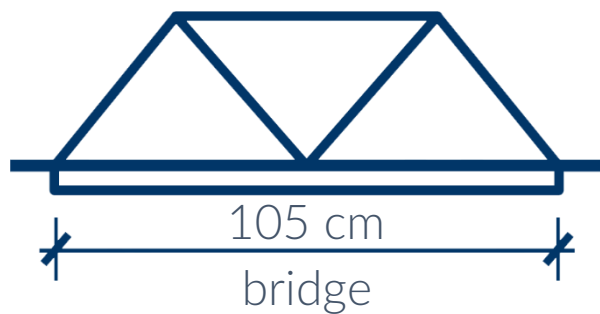
About the competition

The constructing contest „wyKOMBinuj mOst” will be held on **24th to 26th of April 2019** at the Gdańsk University of Technology for the 12th time. The participants will face a challenge of constructing a 1-metre-long bridge span using 9 sheets of paper and 2 bottles of glue. The bridge will be judged by two criteria: the carrying capacity and the mass of the construction. This seemingly easy task requires a very good spatial imagination and creativity combined with technical knowledge. In the last year’s competition, there were 17 teams representing universities and schools from Białystok, Gdańsk, Kartuzy, Kielce, Łódź and Osnabruck.

The goal of the wyKOMBinuj mOst competition is to encourage the students to create their own constructions. So far, we arranged 11 competitions between 2008 and 2018. Besides the students from Gdańsk University of Technology, there were students representing Białystok University of Technology, Koszalin University of Technology, Cracow University of Technology, Lublin University of Technology, Łódź University of Technology, Rzeszów University of Technology, Silesian University of Technology, Kielce University of Technology, Warsaw University of Technology, Wrocław University of Technology, AGH University of Science and Technology and Warsaw University of Life Sciences.

wyKOMBinuj mOst

Rules by the numbers



9 sheets of Bristol board

Size: 700x1000 mm
Paper density: 250 g/m²



2 bottles of glue

Adhesive polymer
Capacity: 500 ml each



3-people-team

Registered teams must consist 3 contestants



7 hours

The contestants have 7 hours to build a 1,05m long bridge span

KOMBOferencja

Construction engineering conference



About the conference

The conference is held on the second day of the event. During this conference, the speakers are discussing their papers about broadly defined construction engineering: design and construction. This year, the conference is split into three parts: introduction, trade and scientific.

➤ Session 1 – The Basics

Dedicated towards the first and second year students of construction engineering and civil engineering. The topics of the papers will discuss the tasks of construction engineering introducing the basic problems, projects and technologies of the building industry.

➤ Session 2 - Industry

Forma prezentacji lub warsztatów. Będzie to świetna okazja do prezentacji firmy i pozyskania najlepszych studentów na praktyki lub staż.

➤ Session 3 - Science

Speeches of students, doctors and professors with scientific content. Dedicated mainly towards students of the last semesters of bachelor studies and master studies.

Contact



Address

Koło Naukowe Mechaniki Konstrukcji KOMBO
Katedra Wytrzymałości Materiałów
Wydział Inżynierii Lądowej i Środowiska
Politechnika Gdańska
ul. Gabriela Narutowicza 11/12
88-233 Gdańsk

E-mail

kombo@pg.edu.pl

Social Media

facebook.com/komboPG

