

Mission Statement

“We aspire to stimulate **curiosity** and inspire science learning in everyone by creating **fun, memorable experiences**, because we value science as an indispensable tool for understanding our world, **accessibility** and **inclusiveness**, and enriching people’s lives”

Hands-On Science Camp

When: Jun 11th – August 10th

Who Attends: Pre-K through 10th Grades

What’s Offered: Courses ranging from Physics, Chemistry, Biology, Space, and Earth Science

Staff Makeup	Female	Male
Professional	6	2
Instructors	13	4
Interns	11	9

Why is this Important?

- At the California Science Center, I have noticed that in every engineering type class (i.e. Build It, Skate Science, Eclectic Engineering, etc.), more than half of the class was male.



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Average Percentage of Students Enrolled in Engineering Specific Classes by Gender

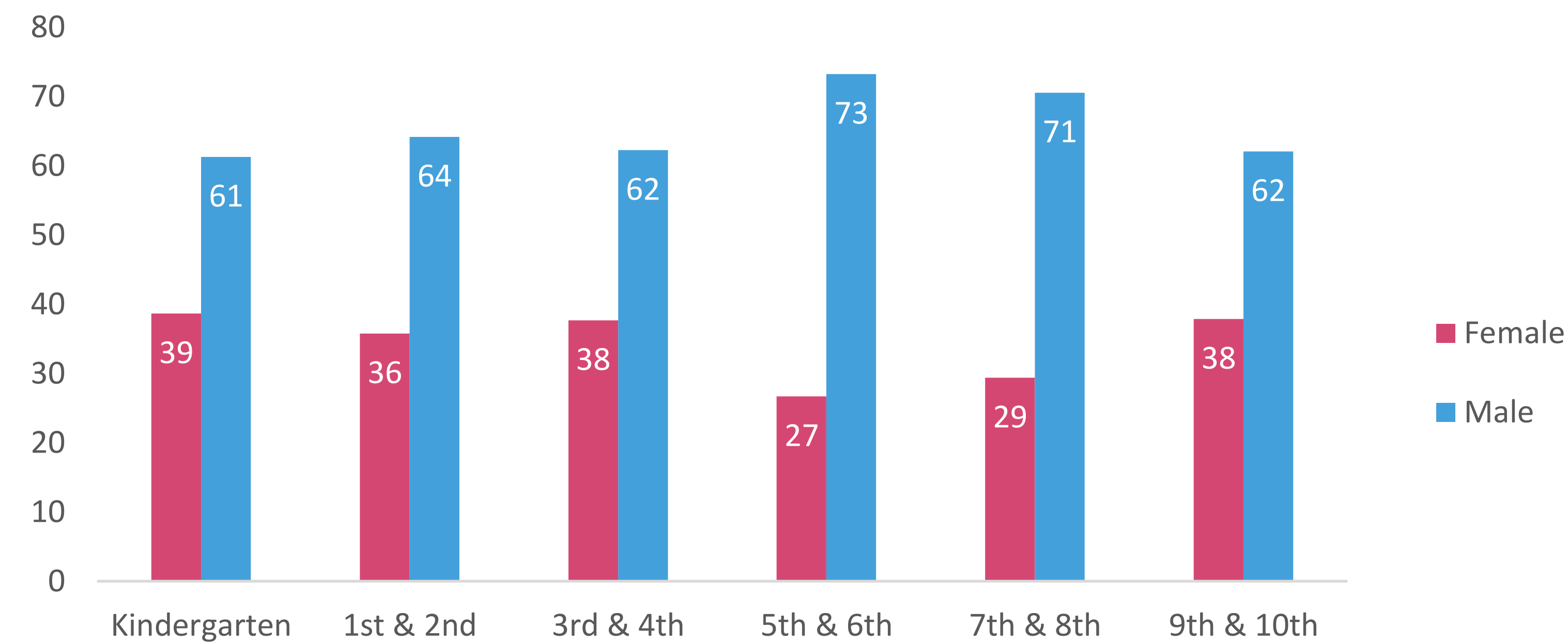


Figure 1. The percent of males enrolled in engineering type classes are much greater than the number of females among each grade.



Average Percentages of LMU Students Enrolled as Engineering Majors by Gender

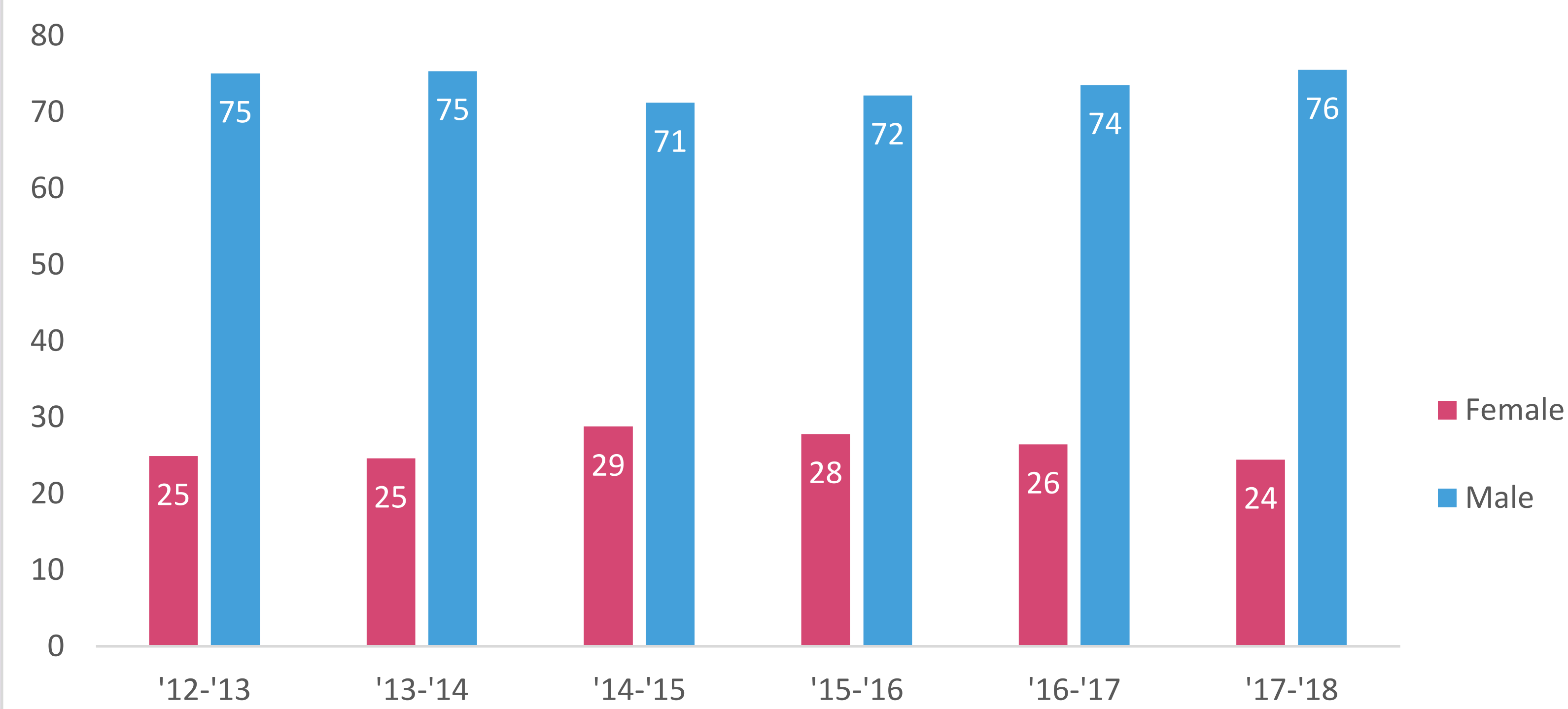


Figure 2. In the last six years at LMU, there has not been a significant change in the number of female engineers.

- Just like the California Science Center, there is an imbalance between male and female engineering majors.
- In order to address this problem, we must look at specific institutions that have worked to get more women interested in becoming engineering majors.

Harvey Mudd College Innovative Practices

Harvey Mudd has been successful with implementing several practices to increase the number of female Computer Science majors.

CS Majors starting 2003-8

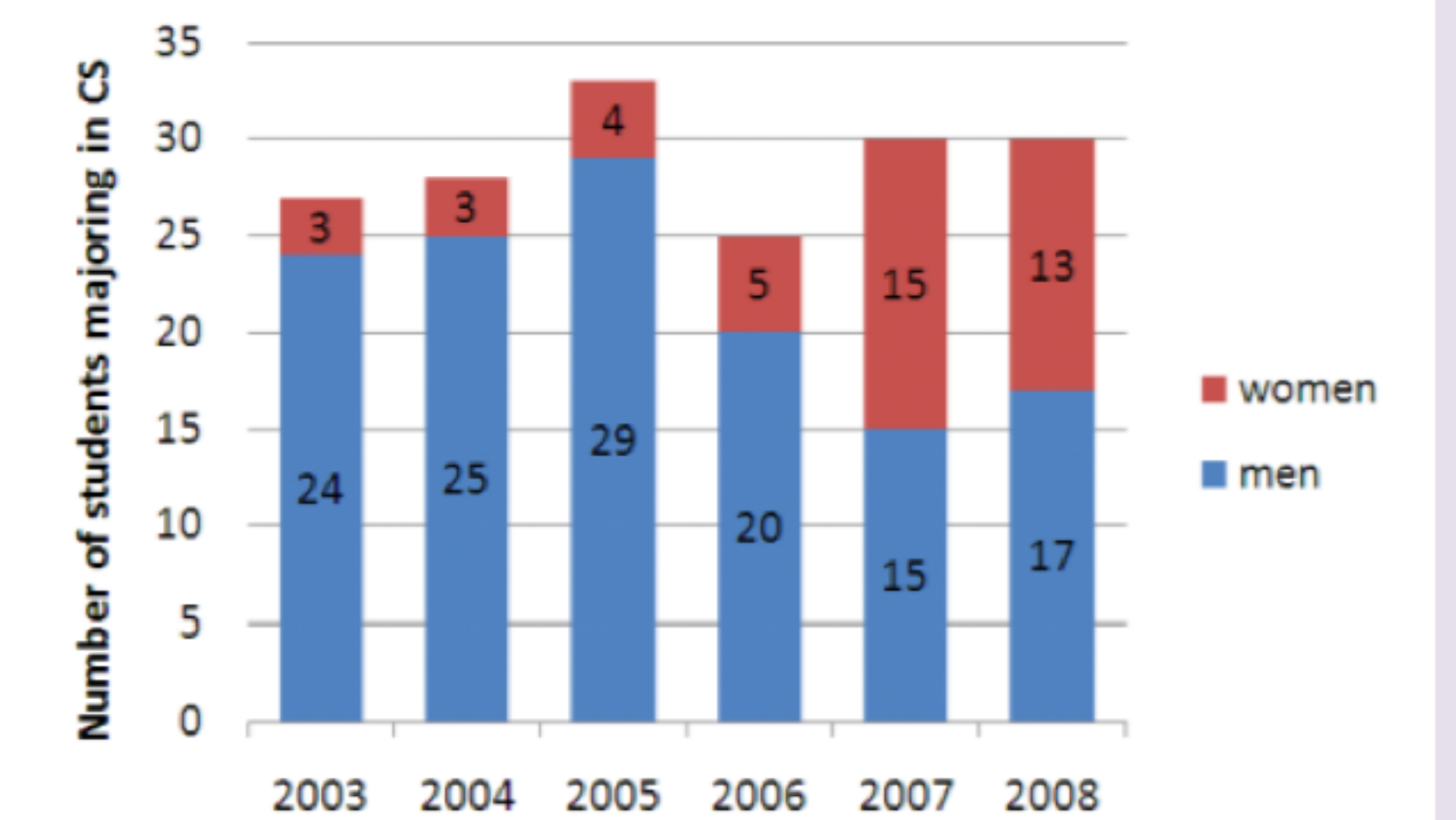


Figure 1: Numbers of women and men majoring in CS, in the entering-year classes of 2003-2008. The 2008 majors numbers may still rise.

1. Creating an innovative and engaging introductory course
2. Grace Hopper Celebration of Women in Computing
3. Providing Summer Research Opportunities

What’s Can We Do?

In the same way as Harvey Mudd College, we can implement our own strategies to further engage students in engineering topics at summer camp and at LMU.

References

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