

## ULTRASONICS 2017

### Exercise 7

Do a literature search on laser-ultrasonic measurements. Pick one of the measurements and write up a short (max two pages, including possible images) summary of the measurement technique.

Explain at least:

- What kind of laser was used
  - Why a certain laser was chosen
  - What kind of excitation was used
  - Which wave mode was used
  - Why the mode was chosen
  - How the wave probe the measured object
  - How the signal was picked up
  - How the signal was analyzed
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- Provide a link to the original publication

Return the summary as an email to [axi.holmstrom@helsinki.fi](mailto:axi.holmstrom@helsinki.fi) by Sunday 12.3. (There will be no exercise session on Thursday 9.3.) The summaries will be scored on basis of merit in detail and thoroughness (max 6 points).