

## Reserved topics for the final project

Before selecting a topic discuss it with lecturer or course assistant, and then e-mail the course assistant to reserve the topic. Make sure your topic isn't already reserved by someone else, and that it doesn't overlap too much with an already reserved topic.

Name	Final Project Topic
Sebastian Coffeng	Nanobubbles for contrast enhancement in clinical imaging
Julius Korsimaa	Pump probe measurement
Petri Lassila	Nanoparticle manipulation with SAW
Joonas Mustonen	Cavitation-assisted nanoemulsions
Topi Pudas	Nanoscale modification of metals with US
Petteri Salminen	Phononic Crystals
Tom Sillanpää	Brillouin Scattering
Henri Österberg	Acoustic AFM

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Ideas for the topic can be found in the lecture materials. If you cannot come up with your own topic, below is a list of ideas for the topic. Some of the listed topics are fairly broad (marked with \*), so consider finding a suitable subtopic related to that.

- Nanobubbles\*
- Lab-on-chip devices\*
- Metamaterials\*
- Acoustic Blackholes
- Acoustic Cooling
- Nanomotors
- Solitons (in nanoscale)