

Co-author declaration for the following joint paper:

This declaration should describe the research contribution of the candidate, the main supervisor (where he/she is an associate author) and the other two most central authors (the corresponding author must be among them). If applicable, the contributions from other PhD candidates who has or intend to include the paper in a thesis should be described. Contributions from master students should be described.

Authors: Konstantin Pogorelov, Michael Riegler, Jonas Markussen, Håkon Kvale Stensland, Pål Halvorsen, Carsten Griwodz, Sigrun Losada Eskeland, Thomas de Lange

Title: Efficient Processing of Videos in a Multi-auditory Environment using Device Lending of GPUs

Journal: *Proceedings of the International Conference on Multimedia Systems (MMSys'16), 2016*

Jonas Markussen's independent contribution:

☐ First author ☐ Corresponding author ☒ Other

Markussen discussed and developed the idea for the paper together with Pogorelov and Riegler, where Markussen was responsible for the Device Lending setup and experiments. As a demonstration of a medical computational workload utilizing Device Lending, Markussen performed the performance experiment together with Pogorelov. Markussen also contributed with text in all sections, and wrote the section on Device Lending.

Konstantin Pogorelov

☒ First author ☐ Main supervisor ☒ Corresponding author ☐ PhD candidate ☐ Other

Pogorelov discussed and developed the ideas for this paper together with Markussen and Riegler. He implemented the polyp detection software described in the paper, performed experiments together with Markussen, and was the main author of the paper.

Carsten Griwodz

☐ First author ☐ Main supervisor ☐ Corresponding author ☐ PhD candidate ☒ Other

Griwodz reviewed the paper text and provided feedback.

Pål Halvorsen

☐ First author ☐ Main supervisor ☐ Corresponding author ☐ PhD candidate ☒ Other

Halvorsen reviewed the paper text and provided feedback.

Håkon Kvale Stensland

☐ First author ☒ Main supervisor ☐ Corresponding author ☐ PhD candidate ☐ Other

Stensland participated in the planning of the paper and the experiments, and reviewed the paper text.

Has this paper been, or will this paper be part of another doctoral degree thesis?

Yes: ☒ No: ☐

If yes, elaborate: This paper is part of both Pogorelov's and Riegler's doctoral degrees.

Contributions from master students:



Do you verify that Jonas Markussen has contributed to this joint paper as described above?

Yes: ☒ No: ☐

If no, specify:

Co-author's signatures:


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