

**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:** Lars Bjørlykke Kristiansen, Jonas Markussen, Håkon Kvale Stensland, Michael Riegler, Hugo Kohmann, Friedrich Seifert, Roy Nordstrøm, Carsten Griwodz, Pål Halvorsen

**Title:** Device Lending in PCI Express Networks

**Journal:** *Proceedings of the 26th International Workshop on Network and Operating Systems Support for Digital Audio and Video (NOSSDAV'16), 2016*

Jonas Markussen's independent contribution:

☐ First author ☒ Corresponding author ☐ Other

Based on Kristiansen's initial implementation of Device Lending, Markussen had several discussions with Kristiansen and contributed to its development through testing and conducting performance benchmarks. Additionally, Markussen was responsible for writing most of the text and organizing the collaboration with all of the authors. He designed and performed the performance evaluation of the Device Lending method, and also implemented the GPU RDMA benchmark program used for reference.

Lars Bjørlykke Kristiansen

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

Kristiansen made the initial implementation of Device Lending and contributed to the section on its implementation.

Carsten Griwodz

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

Griwodz participated in the planning of the paper, and contributed to parts of the text.

Pål Halvorsen

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

Halvorsen participated in the planning of the paper, and provided feedback and review of the paper text.

Håkon Kvale Stensland

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

Stensland participated in the planning of the paper, and provided feedback and review of 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 Michael Riegler's doctoral degree.




Contributions from master students:

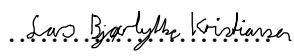
Do you verify that Jonas Markussen has contributed to this joint paper as described above?

Yes: ☒ No: ☐

If no, specify:

**Co-author's signatures:**

  
Jonas Markussen

  
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