

# My title

Sébastien Varrette<sup>1</sup>, xx and Pascal Bouvry<sup>2</sup>

<sup>1</sup> Computer Science and Communication (CSC) Research Unit

<sup>2</sup> Interdisciplinary Centre for Security Reliability and Trust (SnT)  
University of Luxembourg, 6, rue Richard Coudenhove-Kalergi  
L-1359 Luxembourg, Luxembourg

**Abstract.** abstract goes here

**Keywords:** Performance evaluation, Energy-efficiency, HPC, Evolutionary Algorithm, Fault-Tolerance Result-Checking

## 1 Introduction

[...]

This paper is organized as follows: section 2 details the background of this work and reviews related works. Then, the considered XX model is presented in the section ???. Implementation details of the proposed framework are provided in the section 3. The validation of the approach on concrete applications is expounded in the section 4 which details and discusses the experimental results obtained. Section 5 reviews the related works Finally, the section 6 concludes the paper and provides some future directions and perspectives opened by this study.

## 2 Context & Motivations

ALL: Review underlying concepts

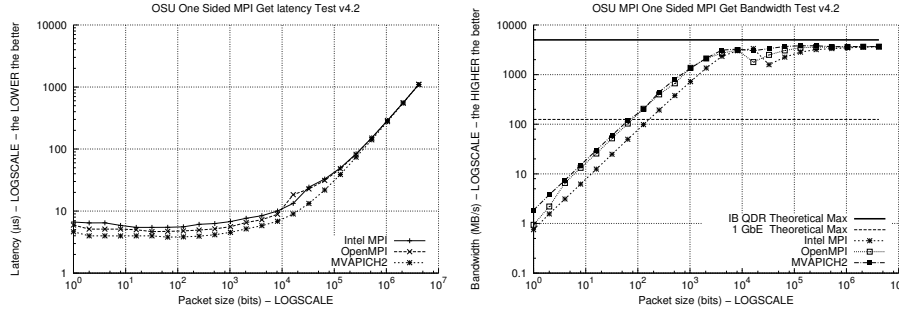
## 3 Implementation and Experimental Setup

## 4 Validation and Experimental Results

This section presents the results obtained, ...

## 5 Related Work

[4,3,2,1]



**Fig. 1.** OSU benchmark

## 6 Conclusion

In this work, we ...

The future work induced by this study includes more large-scale experiments, *blah blah*.

In general, we would like to perform further experimentation on a larger set of applications and machines.

**Acknowledgments:** The experiments presented in this paper were carried out using the HPC facility of the University of Luxembourg.

## References

1. B. Bertholon, S. Varrette, and P. Bouvry. CertiCloud: a Novel TPM-based Approach to Ensure Cloud IaaS Security. In *Proc. of the 4th IEEE Intl. Conf. on Cloud Computing (CLOUD 2011)*, pages 121–130, Washington DC, USA, July 4–9 2011. IEEE Computer Society.
2. J. Muszynski, S. Varrette, and P. Bouvry. Expected Running Time of Parallel Evolutionary Algorithms on Unimodal Pseudo-Boolean Functions over Small-World Networks. In *Proc. of the IEEE Congress on Evolutionary Computation (CEC'2013)*, Cancún, Mexico, June 2013. IEEE.
3. S. Varrette, G. Danoy, M. Guzek, X. Besseron, and P. Bouvry. Using Data-flow analysis in MAS for power-aware HPC runs. In *Proc. of the IEEE Intl. Conf. on High Performance Computing and Simulation (HPCS'13)*. IEEE Computer Society, July. 2013.
4. S. Varrette, M. Guzek, V. Plugaru, X. Besseron, and P. Bouvry. HPC Performance and Energy-Efficiency of Xen, KVM and VMware Hypervisors. In *Proc. of the 25th Symposium on Computer Architecture and High Performance Computing (SBAC-PAD 2013)*, Porto de Galinhas, Brazil, Oct. 2013. IEEE Computer Society.