

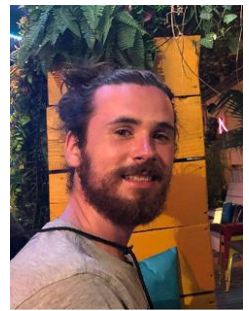
Simon Lambert

PhD Student – *Reducing the environmental impacts of cloud datacenters*

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Publications

International Journal

- **Simon Lambert**, Eddy Caron, Laurent Lefèvre, Rémi Grivel. *Consolidation of virtual machines to reduce energy consumption of data centers by using ballooning, sharing and swapping mechanisms*. Future Generation Computer Systems. Accepted.
- **Simon Lambert**, Vladimir Ostapenco, Laurent Lefèvre, Anne-Cécile Orgerie, Benjamin Fichel, Rémi Grivel. *Revisiting virtual machine consolidation to save resources and energy in heterogeneous production cloud infrastructures*. International Journal of High Performance Computing Applications. Currently under review.

International conference

- **Simon Lambert**, Eddy Caron, Laurent Lefèvre, Rémi Grivel. *S-ORCA : A social-based consolidation approach to reduce Cloud infrastructures energy consumption*. 15th IEEE International Conference on Cloud Computing Technology and Science - Cloudcom 2024, Khalifa University, Dec 2024, Abu Dhabi, United Arab Emirates. [\[HAL\]](#)

Poster

- **Simon Lambert**, Vladimir Ostapenco, Laurent Lefèvre, Eddy Caron, Anne-Cécile Orgerie, Benjamin Fichel, Rémi Grivel. *Revisiting virtual machine consolidation to save resources and energy in heterogeneous production cloud infrastructures*. ICT4S2025, June 2025, Dublin, Ireland. [\[HAL\]](#)
- **Simon Lambert**, Eddy Caron, Laurent Lefèvre, Rémi Grivel. *Evaluating the involvement of users for reducing energy consumption of datacenters in a Cloud company*. ICT4S2024, June 2024 Stockholm, Sweden. [\[HAL\]](#)

Communications

- March 2025. *Revisiter la consolidation de machines virtuelles pour réduire la consommation de ressources et d'énergie dans des infrastructures Cloud de production*. GreenDays 2025, Rennes, France
- October 2024. *Including users to reduce data centers environmental impacts*. Invited talk at Eco-ICT 2024 Summer School, Fouesnant, France.
- October 2023. *Environmental impacts of datacenters: Green DC*. Invited talk at ADIRA association workshop, Lyon, France.

Training/Courses

- 2024 – Eco-ICT doctoral school : 20h.
- 2024 – Ethique de la recherche : 15h.
- 2023 – ICT4S conference: 30h.
- 2023 – Compas conference : 28h.
- 2022 – SICT Doctoral school : 40h.
- 2022 – IPDPS conference : 20h.

Teaching

- Practical courses in *Distributed Systems*. ENS de Lyon, Master 1, 2025.