

Ignacio Amores Sesar

EDUCATION

University of Bern *Jul 2019 – present*

- PhD candidate in Computer Science

University of Copenhagen *Aug 2017 – Jun 2019*

- MSc in advanced Mathematics

University of Oviedo *Sep 2012 – Jun 2017*

- BSc in Mathematics and BSc in Physics

WORK EXPERIENCE

Teaching assistant @ University of Bern *Jul 2019 – Jul 2023*

- Fall 2022 Cryptography (MSc)
- Spring 2021 Algorithmen, Wahrscheinlichkeit und Information (BSc)
- Spring 2020 Algorithmen, Wahrscheinlichkeit und Information (BSc)
- Supervision of four Bsc and four Msc student theses

Research Intern @ Google Cambridge *Mar 2023 – May 2023*

- Research on consensus protocols

Research Intern @ Google Zurich *Jun 2023 – Nov 2023*

- Research on consensus protocols

Introductory research fellow @ CMS *Oct 2016 – Jun 2017*

- Search for dark matter candidates at LHC

PUBLICATIONS AND PRE-PRINTS

1. *Eating sandwiches: Modular and lightweight elimination of transaction re-ordering attacks*. Orestis Alpos, Ignacio Amores-Sesar, Christian Cachin, Michelle Yeo. CoRR abs/2307.02954 2023. To be published at: Conference on principles of distributed systems (Opodis) 2023
2. *We will DAG you*. Ignacio Amores-Sesar and Christian Cachin. CoRR abs/2311.03092 2023
3. *When Is Spring Coming? A Security Analysis of Avalanche Consensus*. Ignacio Amores-Sesar, Christian Cachin, and Enrico Tedeschi. Opodis 2022
4. *Generalizing weighted trees: a bridge from Bitcoin to GHOST*. Ignacio Amores-Sesar, Christian Cachin, and Anna Parker. AFT 2021
5. *Security Analysis of Ripple Consensus*. Ignacio Amores-Sesar, Christian Cachin, and Jovana Micic. Opodis 2020

TALKS

- *MEV-prevention pannel discussion*
Ubri Connect 2023, Oct 2023
- *When is Spring coming? A Security Analysis of Avalanche Consensus*
IC3 Winter Retreat 2023, Jan 2022
- *When is Spring coming? A Security Analysis of Avalanche Consensus*
Google Seminar, Oct 2022
- *When is Spring coming? A Security Analysis of Avalanche Consensus*
Focodile, Jun 2022

(NATURAL) LANGUAGES

- *Spanish*: Native
- *English*: Fluent
- *German*: Intermediate

AWARDS

- *Bronze medal*: Spanish Chemistry Olympiad 2012