

CONTACT	Email: zsis@itu.dk Website: https://zistvan.github.io/ Google Scholar Address: IT University of Copenhagen, Rued Langgaards Vej 7, 2300 Copenhagen S
RESEARCH PROFILE	I work in the intersection of Data Management, Distributed Systems and Specialized Hardware, with the goal of making data-intensive applications more efficient in the cloud and datacenter. Access my publication list on DBLP
EDUCATION	Ph.D., Computer Science , ETH Zürich, Switzerland (Issued: 30/05/18) 2013 – 2018 Advisor: Prof. Gustavo Alonso M.Sc., Computer Science , ETH Zürich, Switzerland (20/03/13) 2011 – 2013 B.Sc., Computer Science , UTCN Cluj-Napoca, Romania (18/06/12) 2007 – 2011
PROFESSIONAL EXPERIENCE	IT University , Copenhagen, DK October 2020 – Present <i>Associate Professor in Computer Science</i> IMDEA Software Institute , Madrid, ES September 2018 – Present <i>Assistant Research Professor</i> Working in the area of distributed systems and hardware acceleration for data processing. IBM Research , Rüschlikon, CH May 2018 – July 2018 <i>Visiting Researcher</i> Topic: Exploring software and hardware acceleration opportunities for Blockchains. Microsoft Research , Redmond, WA June 2014 – August 2014 <i>Research Intern</i> Topic: Adding support for B-tree indexes and a local cache to the FPGA in Cipherbase. Xilinx Labs , Dublin, Ireland September 2012 – March 2013 <i>Research Intern (Master Thesis)</i> Topic: Design of a hash table for an FPGA-based key-value store. INRIA , Sophia-Antipolis, France July 2011 – August 2011 <i>Research Intern (OASIS Group)</i> Topic: Annotation-based automatic parallelization of Active Objects in ProActive. INRIA , Sophia-Antipolis, France June 2010 – August 2010 <i>Research Intern (OASIS Group)</i> Topic: Parallel programming and scheduling for multicores in the ProActive Framework
AWARDS AND SCHOLARSHIPS	<ul style="list-style-type: none"> • Juan de la Cierva Formación 2018, Spanish Science Foundation (EUR 25.000) • ACM EuroSys Roger Needham PhD Award 2019 – Honorable Mention • ETH Zürich Medal for Doctoral Dissertations of 2018 (CHF 2000) • ETH Zürich Excellence Scholarship for Master's Studies 2011-2013
MANAGED PROJECTS	2021-2024: Novo Nordisk Foundation Start Package Grant. (Funding for a PostDoc and a PhD student; total DKK 3.1M) Principal investigator: Z. István. 2019-2020: ACCORD : Accelerated Ordering Service for Distributed Ledgers. Marie Curie Individual Fellowship 2018 . Ref: EU Project 842956; (EUR 170K) Principal investigator: Z. István. Mentor: M. Hermenegildo.

OTHER FUNDING	2019-2020: BOSCO : Fundamentos para el desarrollo, analisis y comprension de los blockchains y los contratos inteligentes. <i>Spanish National Research Grant, Ref.: PGC2018-102210-B-I00</i> , Principal Investigators: C. Sanchez, P. Ganty 2018-2019: BLOQUES-CM : Intelligent Contracts and Scalable Blockchains and Insurance through Verification and Analysis. <i>Community of Madrid Research Grant</i> . Ref.: P2018/TCS-4339 Coordinator: J. Caballero; Members: UCM, UPM and IMDEA Software.	
SUPERVISION EXPERIENCE	Member of PhD Committee Mario Daniel Ruiz Noguera (UAM, Madrid)	Defended: January 2020
	PostDoc Supervision Dr. Matei Istean at IMDEA	Winter 2019
	PhD Internship Supervision Mustapha Bouhali (ENP Oran, Algeria) at IMDEA Man-Kit Sit (Imperial College, London) at IMDEA	Spring 2020 Fall 2019 - Spring 2020
	MSc Thesis Supervision Lucas Kuhring (UPM, Madrid) at IMDEA Srivatsan Lakshmi (UPM, Madrid) at IMDEA Zhenhao He at ETHZ (co-advised with David Sidler) Jakub Szymanek at ETHZ	Spring 2019 Spring 2019 Spring 2018 Spring 2014
	BSc Student (Thesis and Internship) Supervision Jonas Aagaard at ITU (co-supervised with P. Bonet) N. Nielsen and R. Bayer at ITU (co-supervised with P. Tozun) Paula Benedec (UTCN, Romania) at IMDEA Andrei Tosa (UTCN, Romania) at IMDEA Samuel Garcia (UPM, Madrid) at IMDEA Claudiu Mihali (UTCN, Romania) at IMDEA Eva Garcia (UAM, Madrid) at IMDEA Mickey Vanska at ETHZ (co-advised with David Cock) Tim Taubner at ETHZ	Spring 2021 Spring 2021 Summer 2020, Spring 2021 Summer 2020, Spring 2021 Spring 2020 Summer 2019 Fall 2018 Spring 2017 Spring 2015
COMMUNITY SERVICE	Conference/Workshop Organization: Workshop co-chair for EuroSys'21; Sustainability chair for VLDB'21; Workshop Co-organizer: SFMA'19, SPMA'20 (EuroSys) , SERIAL'19 and '20 (Middleware) ; Hackathon Co-organizer: chainReaction 2020 Recent PC Member: <i>Database conferences</i> : SIGMOD'21, EDBT'21, EDBT'20; <i>Systems conferences</i> : ATC'21, DEBS'21, SRDS'20, HotCloud'20, ASPLOS'20 (light); <i>FPGA conferences</i> : FCCM'21, FCCM'20; <i>Others</i> : EuroSys Doctoral Workshop 2020 and 2019. Invited Reviewer for Journals: IEEE TC-CS (04.2020), ACM TACO (02.2019, 06.2017), IEEE TKDE (01.2019, 09.2017)	
SELECTED INVITED TALKS	TU Munich, Germany. June 2020 (virtual); ITU Copenhagen, Denmark. May 2020 (virtual); ETH Zurich, Switzerland, November 2019; SAP Walldorf, Germany. November 2019; UCM, Madrid, Spain. May 2019; Technion, Haifa, Israel. November 2018; KAUST, Thuwal, Saudi Arabia. October 2017; TU Dresden, Germany. July 2017; IBM Research Rüschlikon, CH. October 2016; Xilinx Labs, San Jose, CA. March 2016; IBM Research Almaden, San Jose, CA. March 2016;	