

CSL Projects

CSL (Computer Systems Lab) offers projects under several project courses: Project in Concurrent and Distributed Systems (236371), Project in Operating Systems and the advanced operating systems course, which includes a project. Other [CSL members](#) may offer additional projects.

This is a partial listing of currently offered projects. These projects can be taken as one of the following options:

- [Course 236371 \(project in Concurrent and Distributed Systems\), group 20.](#)
- [Course 236366 \(project in operating systems\).](#)
- [Course 236503 \(project in Advanced Programming\), group 20.](#)

Registration is manual and requires an interview with the respective contact point for respective project, as listed below.

The projects are done in groups of 1-2 students by default, but there are two exceptions: project 3 contains many unrelated sub-projects. Project 5 is a competitive project: the students can and should collaborate on systems research issues, but they should keep their cards close to their hearts in game-theory related issues.

All of the RaaS projects are based on the [RaaS paper](#). Some of them require the [Ginseng paper](#) as well. Please read them prior to the interview, focusing on parts that are relevant to your project of interest.



- [CSL Lab](#)
- [CSL-HaifaU projects](#)
- [Site Sources](#)



Project Number	Name	Advisors	Prerequisites	Comments or Links
2	Resource Tradeoff in a Resource-as-a-Service (RaaS) cloud	Assaf Schuster, Orna Agmon Ben-Yehuda	Operating systems, python	Aviad, still open
3	Putting elastic memory applications to work in a Resource-as-a-Service (RaaS) cloud	Assaf Schuster, Orna Agmon Ben-Yehuda	Operating systems	Liran (Java); Still open for other sub-projects
5	Cloud Computing meets Game Theory: a RaaS guest agent	Assaf Schuster, Orna Agmon Ben-Yehuda	Operating systems, artificial intelligence, python	Maor+Tomer; Still open

6	Resource Tradeoff for Cryptanalytic Algorithms in a Resource-as-a-Service (RaaS) cloud	Assaf Schuster, Orna Agmon Ben-Yehuda, Orr dunkelman	Operating systems, Advantage: Modern Cryptology or Computer Security courses	
11	Show Me the Data: Analysis of Production Workloads for System Design	Gala Yadgar	Operating systems	
12	Visualization Tool for NAND Flash Internals	Gala Yadgar	Operating systems	
15	Advanced SSD Experimental Environment	Gala Yadgar	Operating systems	
16	Understanding and Optimizing SSD Performance	Gala Yadgar	Operating systems	
17	Behind The Scenes of Flash based SSD Performance	Gala Yadgar	Operating systems	
18	Cloud Computing meets Game Theory: a Malicious RaaS guest agent	Assaf Schuster, Orna Agmon Ben-Yehuda	Operating systems, artificial intelligence, python	Danielle
19	Cloud Computing at large: overall cloud view	Assaf Schuster, Orna Agmon Ben-Yehuda	Operating systems, python	
20	Projects in Multi-Core Synchronization: Tree-Based Combining for Concurrent Data Structures	Hagit Attiya	Operating systems, parallel and distributed programming is a plus.	
21	Projects in Multi-Core Synchronization: Tree-Based Mutex Lock	Hagit Attiya	Operating systems, parallel and distributed programming is a plus.	

Contact ladypine at cs regarding this website.

<http://www.cs.technion.ac.il/~ladypine/projects>