Seminar in Databases 2017-18: cloud-based systems, big data systems, natural language, databases, and current topics of interest

(DRAFT Schedule – it will change)

Lecturer: Oded Shmueli

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<tr>
<th>Week</th>
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<th>Speaker(s)</th>
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| 1    | 23/10| a. Seminar Introduction  
b. AWS introduction | a. Lecturer  
b. Itai Shaked |         |
| 2    | 30/10| Concurrency Control Basics- Chapters 2, 3 BHG: Serializability Theory | Lecturer |         |
| 3    | 6/11 | Recovery in Distributed Databases - Chapter 19 WV: Distributed Transaction Recovery | Lecturer |         |
| 4    | 13/11| Replicated Databases - Chapter 8 BHG: Replicated Data OR Blockchains | Lecturer |         |
| 5    | 20/11| a. Follow the Sun  
b. Cloudward bound | a. Isaac Razilov  
b. Vitaly B. |         |
| 6    | 27/11| a. Azure data lake store  
b. Octopusfs | a. Roman Shor  
b. Eran Arbel |         |
| 7    | 4/12 | a. Dremel: 2 papers  
b. 3 papers “Spanner becoming...”, “The log-structured...”, “Data page layouts...” (for 2) | a. Ilya Goykhfis  
b. Polina Manevich and Michal Amsterdam |         |
| 8    | 11/12| a. Amazon Aurora  
b. 3:“Performance analysis of object store systems in fog/edge” and “An approach for smart management of big data in the fog computing context” | a. Dor Shwartz  
b. Dvir Dukhan |         |
| 9    | 25/12| a. Cloud paper(s)  
b. Cloud paper(s) | a.  
b. |         |
| 10   | 1/1  | a. Parallelizing sequential graph  
b. Extracting and analyzing hidden graphs | a. Caesar Jeries  
b. Alaa Jarbony |         |
| 11   | 8/1  | a. “BLOCKBENCH”  
b. Current paper | a. Andrey Khaykin  
b. |         |
| 12   | 15/1 | a. Current paper  
b. Yuval Oskar |         |
| 13   | 22/1 | a. “A natural language interface for querying general and individual knowledge”  
b. Liat Peterfreund |         |