Seminar in Databases 2017: Databases in the cloud era  
(DRAFT Schedule – will change)  
Lecturer: Oded Shmueli

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<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
<th>Speaker(s)</th>
<th>Remarks</th>
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<td>1</td>
<td>22.3</td>
<td>Concurrency Control Basics - Chapter 2 BHG: Serializability Theory</td>
<td>Lecturer</td>
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<tr>
<td>2</td>
<td>29.3</td>
<td>Recovery in Distributed Databases - Chapter 7 BHG: Distributed Recovery</td>
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| 3    | 5.4  | a. Intro to Cloud Computing and Cloud Databases  
b. Replicated Databases - Chapter 8 BHG: Replicated Data | a. Royi Ronen (Microsoft)  
b. Lecturer | Consistency and Properties of Distributed Systems |
| 4    | 19.4 | a. Replicated Databases - Chapter 8 BHG: Replicated Data  
b. Tardis | a. Lecturer  
b. Tanya Brokhman | Consistency and Properties of Distributed Systems |
| 5    | 26.4 | a. OLTP on the Cloud, OLTP as a Service  
b. MDCC | a. Eliezer Levy (Huawei, DBERC)  
b. Eliran Shema | Consistency and Properties of Distributed Systems |
| 6    | 3.5  | a. CAP  
b. Salt | a. Chanan Ben Tal & Uri Einbinder  
b. Lior Inbar | Consistency ... Concurrency and Recovery |
| 7    | 10.5 | a. Adapting Microsoft SQL+ Extreme scale with full SQL  
b. Google Spanner | a. Uri Alon  
b. Wissam Abu Sinni | Distributed Relational Databases |
| 8    | 21.5 | a. Megastore  
b. HBase | a. Adam Erdreich  
b. Amit Ohayon | Distributed Storage and Databases |
| 9    | 24.5 | a. Parallel Evaluation of Conjunctive Queries  
b. SEMROD | a. Yoav Nahshon  
b. Genia Shandalov | Query processing |
| 10   | 7.6  | a. Efficient join query evaluation  
b. Reaching Agreement in the Presence of Faults | a. Ilya Kolchinsky  
b. Shahar Yair | Query processing |
| 11   | 14.6 | a. ERA  
b. Apache ZooKeeper | a. Miri Rabinovich  
b. Oren Afek | Economics |

Miscellaneous
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| 12 | 21.6 | a. Networkcloudsim  
b. Spark, serverless | a. Tomer Draguck  
b. Lecturer |
|   |   |   | Performance and  
Time  
Flexible resource  
assignment |
| 13 | 28.6 | a. Operator and query progress estimation  
in Microsoft SQL  
b. AWS introduction | a. Adi Atia  
b. Itai Shaked |
|   |   |   | Query processing  
CLOUD DEMO |