

# Architecture and Performance of Computer Systems

## Project on Client-Server Application Performance

Gilles Peiffer (24321600), Liliya Semerikova (64811600)

*Abstract—*

### INTRODUCTION

#### I. TASK 1: MEASUREMENTS

##### *A. Average Query Response Time*

- 1) Influence of the Query Type:*
- 2) Influence of the Number of Queries Per Second:*

##### *B. Factors Influencing the Query Response Time and Possible Bottlenecks*

#### II. TASK 2: MODELING

##### *A. Queuing Station Model*

- 1) Determining the Parameters:*

##### *B. Comparison to the Real Data*

### CONCLUSION