

## IAF0530/IAF9530 Spring 2013

| Teema                                                                          | Nimi                 | Master/PhD | Abstract | Slides | Reading | Presentation | Final text | Final Grade |
|--------------------------------------------------------------------------------|----------------------|------------|----------|--------|---------|--------------|------------|-------------|
| Y2K problem                                                                    | Alena Andrejeva      | MSc        |          |        |         |              |            |             |
| Sun Microsystems ZFS                                                           | Eduard Mubarakšin    | MSc        | +        | +      | +       |              |            |             |
| Magnetic tracking disturbances and fault: Causes and error correction          | Emiliano Pastorelli  | PhD        | +        | +      | +       |              |            |             |
| Clock synchronization                                                          | Gunnar Mägi          | MSc        | +        | +      | +       |              |            |             |
| Railway Safety                                                                 | Jekaterina Ivask     | PhD        | +        | +      | +       | +            |            |             |
| CAN Bus failure on variable frequency drives                                   | Jishu Guin           | MSc        | +        | +      | +       | +            |            |             |
| Therac-25                                                                      | Julia Kozljantshenko | MSc        | +        | +      |         |              |            |             |
| Nõudmiste- ja spetsifikatsioonipõhised testide loomise meetodid                | Jürgen Koitsalu      | MSc        | +        | +      | +       |              |            |             |
| Quantum Computing                                                              | Lauri Kurs           | MSc        | +        | +      | +       |              |            |             |
| Bio-inspired fault tolerance for cellular arrays                               | Margus Metshein      | PhD        | +        | +      | +       |              |            |             |
| Highly available Storage Architecture                                          | Mikk Mae             | MSc        | +        | +      | +       |              |            |             |
| User Interfaces                                                                | Natalia Järv         | PhD        | +        | +      | +       | +            |            |             |
| Memory protection codes                                                        | Priit Ruberg         | PhD        |          |        |         |              |            |             |
| Fault tolerance in distributed system.                                         | Romet Aidla          | MSc        |          |        |         |              |            |             |
| PLC based Fail-Safe systems in process automation                              | Sergei Bessonov      | PhD        | +        | +      | +/-     |              |            |             |
| Fault tolerance in modern operating systems                                    | Siim Liivand         | MSc        | +        | +      | +       |              |            |             |
| Patient safety in robotic surgery                                              | Lin Li               | PhD        | +        | +      |         | +            |            |             |
| Fault tolerant techniques for on chip cache memory                             | Deniss Nikiforov     | PhD        | +        | +      | +       |              |            |             |
| Generation of Abstract TLM Models from RTL Description                         | Saif Abrar           | PhD        | +        | +      | +       |              |            |             |
| Characterization of the processes taking place in the living biological matter | Georgios Giannoukos  | PhD        | +        | +      | +       |              |            |             |

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