Lecture 0: org meeting

syllabus, contacts

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https://github.com/Svazars/parallel-programming/blob/main/slides/pdf/intro.pdf

One stop page

- Slides/tasks in English, homeworks/discussion in Russian
- Course overview
  - `https://github.com/Svazars/parallel-programming/blob/main/docs/course-overview/overview.pdf`
- Scoring rules
  - `https://github.com/Svazars/parallel-programming/blob/main/docs/hw/hw.pdf`
- Course page
  - `https://nsu-syspro.github.io/courses/parallel`
- Deadlines
  - to be published on the go in the google tables

Course overview

Three blocks:

- Practical concurrency (writing concurrent code, debugging multi-threaded software)
- Foundations of concurrency (hierarchy of concurrent operations, consistency, progress conditions, h/w cache coherence)
- Advanced topics (+ invited lectures)

Question time

Question: Who will be the guest lecturer?

Deadlines

Will be strict (no pass – no go).
You should start doing homeworks from the very first lecture.

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Homework, mail

Task 0.1 Email to `filatovaur@gmail.com`*, Subject "Group, Name, ProblemNum" (e.g. "11111, Иванов, 0.1"), content "мой никнейм в телеграм группе @????"*

Scoring rules

Practical assignments:

- `https://github.com/Svazars/parallel-programming/tree/main/hw`
- Available grades: `2, 3, 4, 5, 6`

Oral exam:

- TO BE UPDATED `https://github.com/Svazars/parallel-programming/blob/main/docs/test/questions.pdf`
- Available grades: `-3, -1, 0, +1`

Per-block grades:

- Block 1: practice (2, 3, 4, 5, 6) + oral exam (-3, -1, 0, +1)
- Block 2: practice (2, 3, 4, 5, 6) + oral exam (-3, -1, 0, +1)
- Block 3: practice (2, 3, 4, 5, 6) + oral exam (-3, -1, 0, +1)

Final grade: `round_nearest_integer(average(b1, b2, b3))`

Course materials

- "The Art of Multiprocessor Programming" by M. Herlihy & N. Shavit
- "Is Parallel Programming Hard, And, If So, What Can You Do About It?" by Paul E. McKenney
- "Java Concurrency in Practice" by Brian Goetz et al.