

KSVI Department of Software and Computer Science Education

http://ksvi.mff.cuni.cz

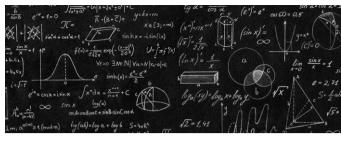


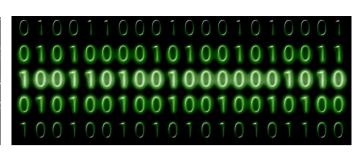
(Not only) teaching computer science

Groups, individuals, theory, teaching, software...

- If a topic interests you
 - contact the individual directly
 - don't be afraid to come up with your own proposal







MULTIMEDIA EDUCATION LABORATORY

TEACHING TOPICS

THEORETICS







COMPUTER GRAPHICS GROUP

COMPUTER GAMES GROUP

NEUROSCIENCE



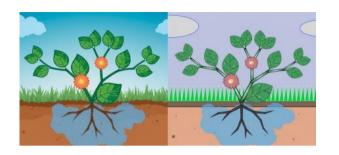
Laboratory of Advanced Multimedia Education Studies

https://ksvi.mff.cuni.cz/amulab/

Cyril Brom

- Even a programmer can become a teacher!
- Didactics of Informatics Scientifically (1st and 2nd level)
- What works in the media from an educational point of view
- Development of educational games and multimedia
- Experiments on humans (on children)









Other topics related to teaching

Tomas Dvorak

- Teaching computer science and programming
- Software support for teaching
 - Topics suitable for non-teachers



Pavel Töpfer

Tomas Holan

Klára Pešková

Lenka Forstová (SISAL)









Department of Software and Computer



Theorists

Tomas Dvorak

Problems at the boundary of theoretical computer science and discrete mathematics

- Generalized Gray codes between prescribed pairs of strings
- Experimental verification of Havel's hypothesis about hypercube bones
- Compact sufix automat in sliding window



Martin Pergel

(software-engineering theorist)

Discrete problems and algorithms

- Selected issues related to vehicle routing
- Universal backup
- Algorithmic problems related to intersection graphs
- Creative division game
 Diplomacy
- Visualization of graphs
- Smart home







Computer Graphics Group



Computer Graphics Charles University



Alexander Wilkie



Josef Pelikan

Alban Fichet





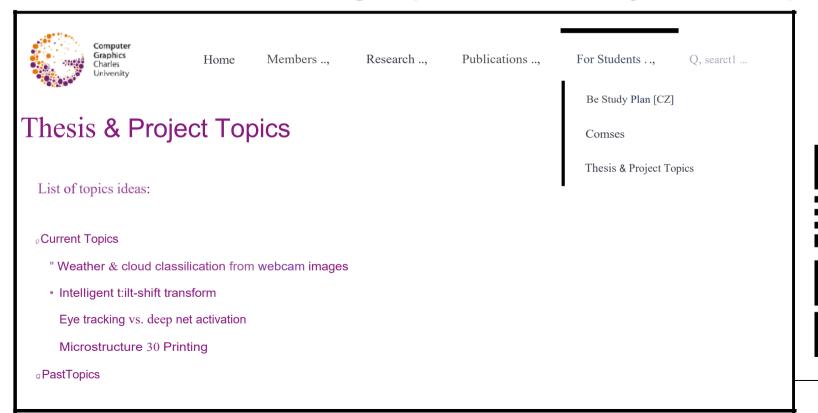




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- Thesis and project topics appearing throughout the whole year
- Feel free to contact the group members with your own topics



Hey, artists!

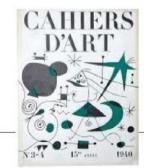


Long-term cooperation on a project with the Institute of Art History

You can join a research team

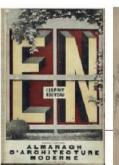
- Analysis of PDF journal layout structure
- Data mining
 - Visual
 - Textual

Contact: Elena Sikudova

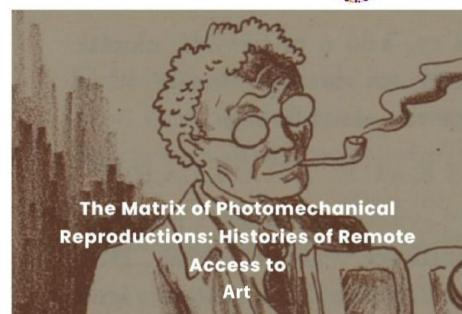














Computer Games Group

https://gamedev.cuni.cz/





Vojtech Cerny

Lukas Kolek

Peter Guba

Petr Šimůnek



Department of Software and Computer



Gelato a





Tereza Hannemann

- Al in context
 - How to teach AI in the perspectives of different disciplines
 - How to popularize AI in public space?
- Didactics
 - How to didactically help to better learn about the digital world
 - socially excluded children
 - people in prison
 - How to teach children and their teachers about



hanneman@ksvi.mff.cuni.cz

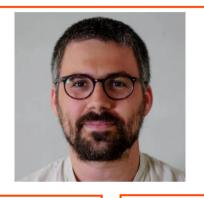


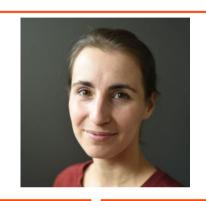
Computational Systems Neuroscience Group

Ján Antolík









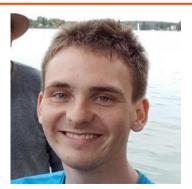


David Berling

Luca Baroni

Rémy Cagnol

Tibor Rózsa









Department of Software and Computer

Pomoz nám zkoumat mozek?

Projekty:

DATABÁZE: Data-store modul pro neurální simulátor

GRAFIKA: Vizualizátor neurálních modelů

SOFTWARE ENG.: Reproducibilný workflow pro simulace

PARALELNÍ PROG.: Optimalizace simulátoru na HPC

WEB: Web-based prohlížeč neurálních dat

A DALŠÍ...

VÍCE NA: http://csng.mff.cuni.cz/ antolikjan@gmail.com