The MISANU Vision
for the Post-2020 Period

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- DataFlow

- DiffusionFlow

- MindMining

- HeritageMining

1. DATA FLOW (for low power computing)

- The Challenges Related to Enabler Technologies:

  a. The FPGA technology

  both reconfigurable and rearchitecturable,

  for better match with typical dataflow graphs.

  b. The SMART compiler technology

  for minimization of communications in dataflow graphs

  related to compiled application code.

2. DIFFUSION FLOW
(for massive ubiquitous computing)

- The Challenges Related to Enabler Technologies:

  a. Advanced power scavenging.

  b. The programming model based on agents,
     their goals, interaction mechanisms,
     and performance measures.

3. MIND MINING (for seamless social interaction)

- The Challenges Related to Enabler Technologies:

  a. Mining from Media.

  b. Mining from Faces.

4. HERITAGE MINING (for truth substituting myths)

- The Challenges Related to Enabler Technologies:

  a. The Forum Technology by Hermann Maurer,
     expanding in quality and quantity.

  b. Automating the datamining with time-related meta-data,
     and generation
     with hybrid frequency/time-domain algorithms.

- THE MATH IN SERBIA (INCLUDING THEORETHICAL CS)

- The U.S.News Report: #87 (2015)

- The Shanghai Top 500 List: #101 (2014)

- THE PHYS IN SERBIA (INCLUDING LOW POWER RESEARCH)

- The Shanghai Top 500 List: #151 (2014)

- One Nobel Prize Nomination: Ivan Bozovic (2015)

SYNERGY OF MATH AND PHYS IN SERBIA

European Universities Better in Both Math and Phys: 29

Better South of Vienna: Only Madrid Autonoma

Better East of Vienna: Only Lomonosov Moskow

Better in the Forth Quadrant: ZERO :)

European Universities Better in Smaller Nations: EPFL + ETH!

European Universities Better in Lower GNP Countries: ZERO :)

All World Universities Better in Lower GNP Countries: ZERO :)

Q&A

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