



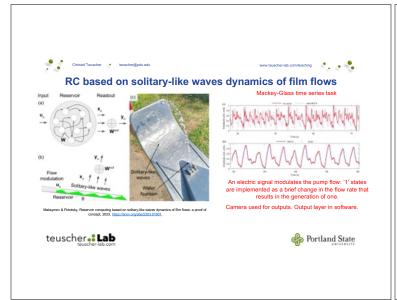
- · How much control does on have over the fabrication process?
- Reproducibility of input-output mapping? How to interface with a material/device?
- Memory capacity?
- Signal attenuation/amplification?
- Cycle-to-cycle variation?
- · Device-to-device variation?
- In-situ or ex-situ training? The challenging part tends to be the in materio implementation of the readout and training.
- What pre- and post-processing is necessary? What will it "cost?"

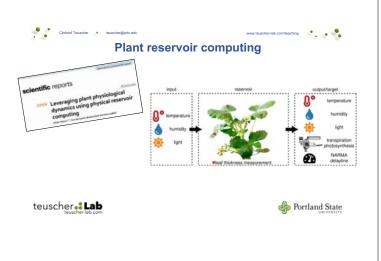
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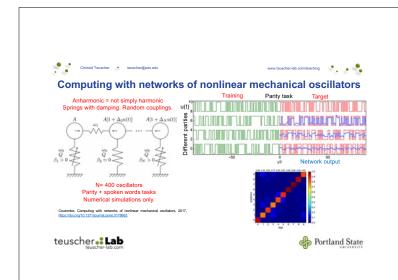


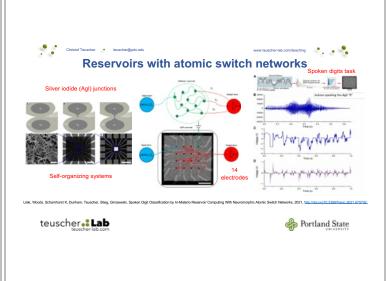


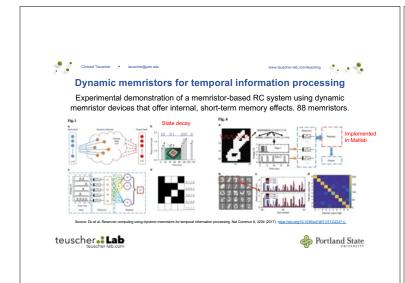


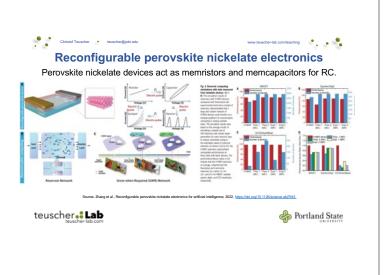


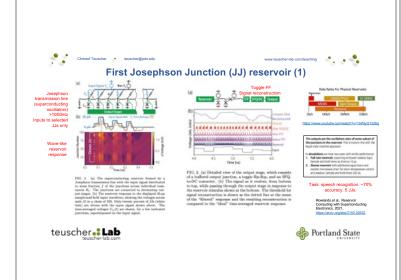


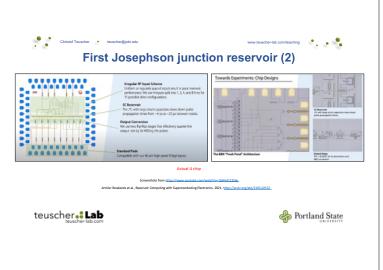


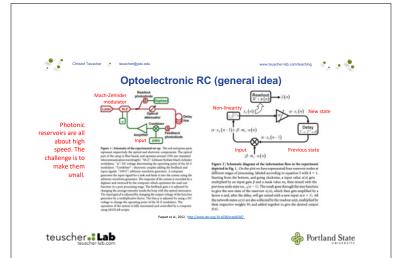


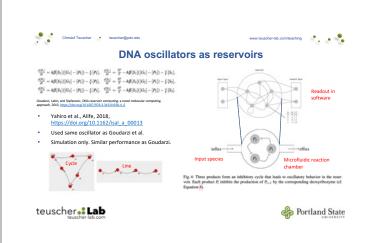






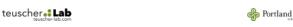




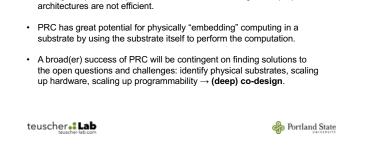




- · Find sweet spots for high-speed, low-power, high performance, and high robustness. · Reservoirs that adapt, are tuned, or reconfigured (in-• Material reservoir (deep) co-evolution.



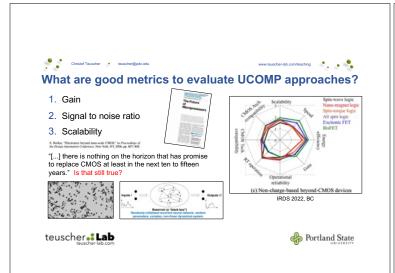


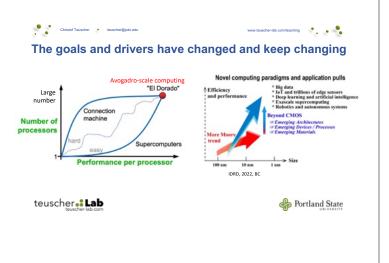


Quo vadis?

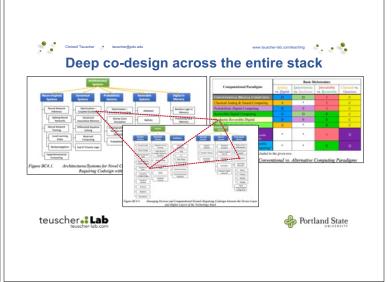
Material computing has attracted increasing attention: it allows for

solving computational problems for which traditional, general-purpose

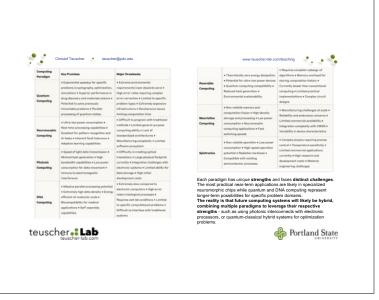




















- Look for specialists
  Formal frameworks
  (Unified?) evaluation metrics
  Roadmap(s)
  Timelines to solutions



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