

## Computing and Education

1.

\*\*\*\*\* taking CS to sustainability (CS more than a service, but integral; CS is

\*\*\*\*\* taking sustainability to CS

2.

\*\*\*\*\* is sustainability a field or is sustainability a part of every other field (transdisciplinary, transcend discipline); how would you build a sustainability curriculum ... distributed across majors, to include CS; one Department or School

Sustainability program, campus wide

IU, ASU, OSU, ....

Sustainability minor across many fields

geo, energy, emphases \_ specialized course for CS people, and other majors

power-aware thinking; eWaste thinking;

3.

\*\*\*\*\* how computer science courses redesigned with sustainability in mind  
designing software, workflows and algorithms, with environment, energy and future orientation in mind

interdisciplinary : HCI ... induced use

shared data sets, other shared resources? problems sets? per courses, areas? sharing intellectual property --

\*\*\*\*\*mechanisms that encourage sharing material, shared repository

suggestions on courses

4.

\*\*\*\*\* K-12 education -- inside, out

undergraduates -- superstar lecture

how to take graduate level?

IU started by enumerating all courses with a sustainability component

----

what constitutes sound thinking on sustainability, climate change, ....

\*\*\*\* no simple answers .... how to we engage students in debate