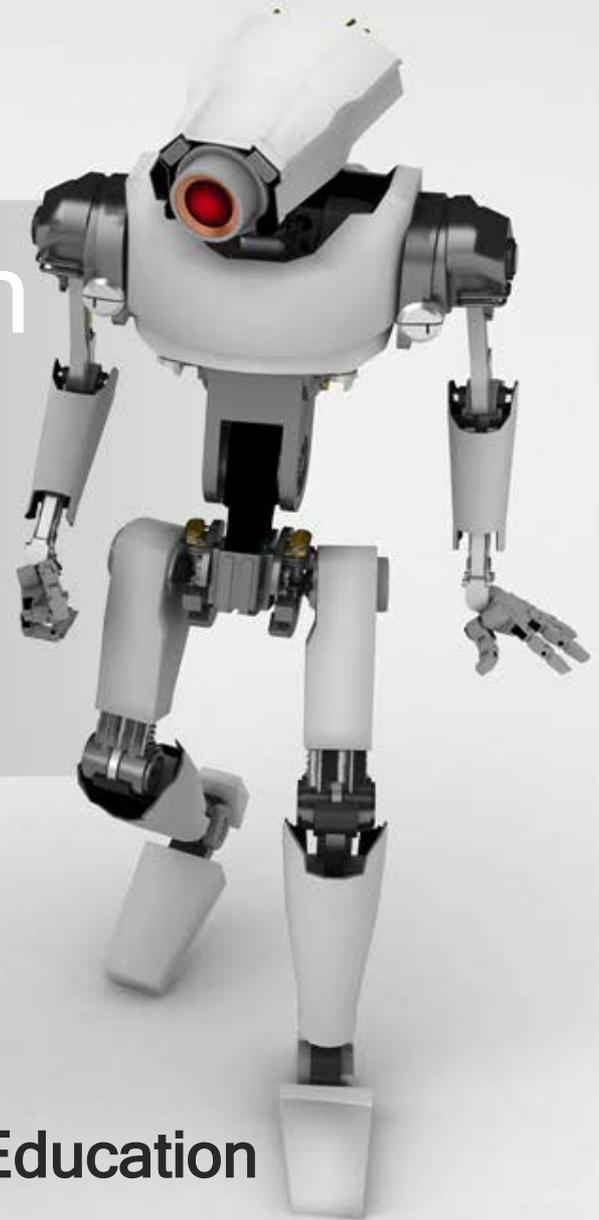


Sustainable Innovation Requires Ethical Responsibility



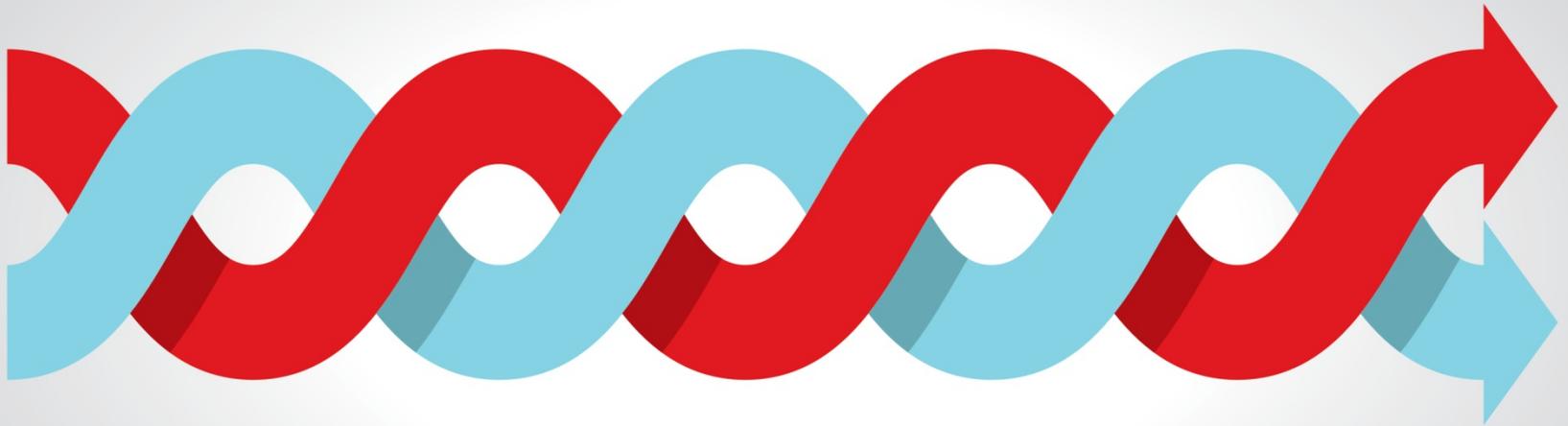
Keith W. Miller,
Orthwein Endowed Professor
for Lifelong Learning in the Sciences,
Univ. of Missouri - St. Louis, College of Education

Arigato

- Thanks to Eric Jacquemyn for organizing this panel.
- Thanks to Carol Valenta for introducing me to this summit.
- Thanks to all of you for coming today.



Technical Decisions and Human Values are Intertwined



Sustainable Innovation Needs More Than Technical Expertise



We Need Wisdom and Care to Guide our Decisions.

We Need to Think about Ethics.



Science and Engineering Ask
“CAN WE?”

Ethics Asks
“SHOULD WE?”



Three Examples

- **Justice**
- **Access**
- **Safety**





Justice

Access



Safety



**Science centers can
encourage thoughtful
consideration of
sociotechnical issues...**



**...but only if the leaders
of science centers
actively engage in
ethical issues.**



Thank You
for Your Time

- millerkei@umsl.edu

