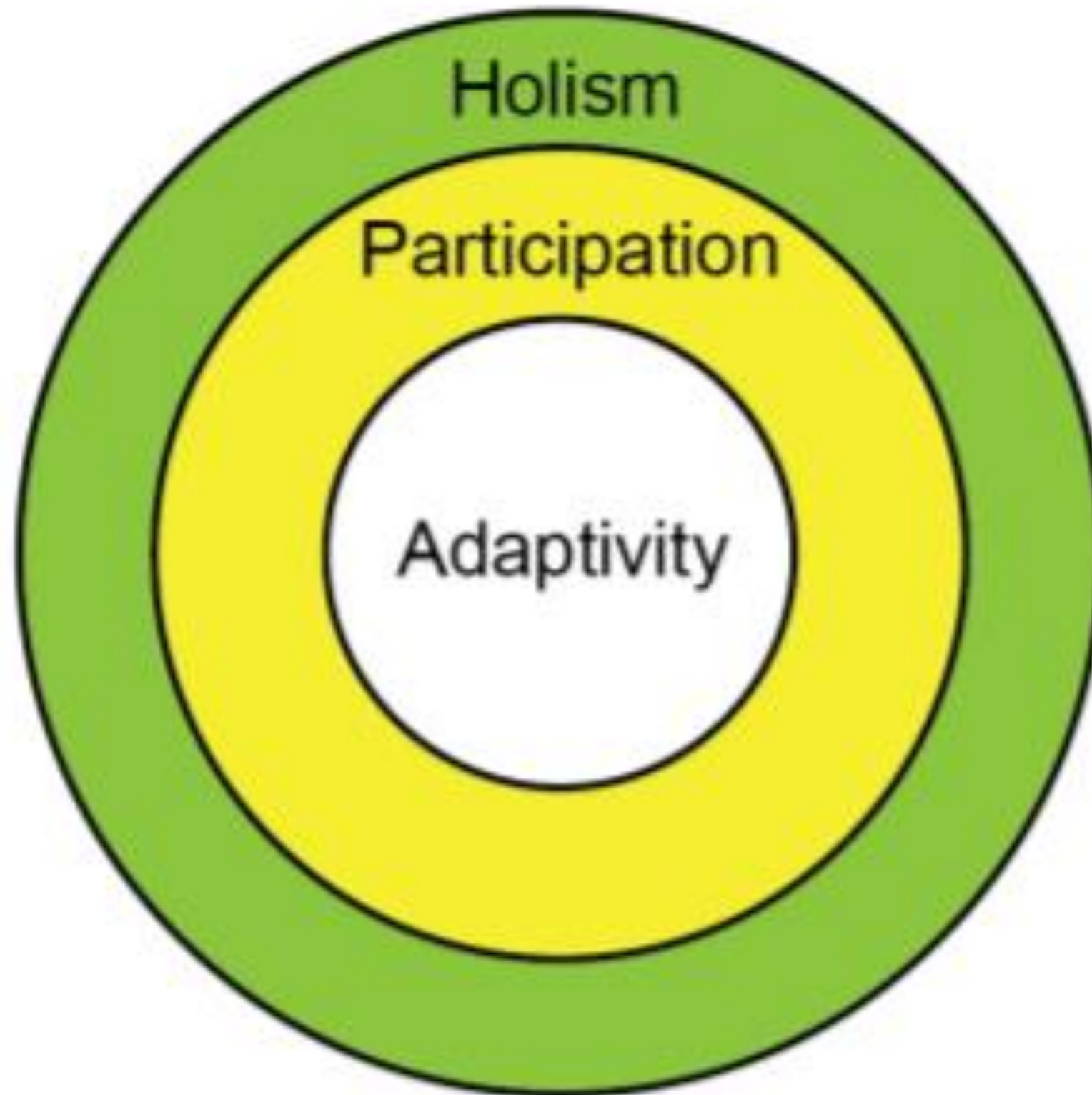


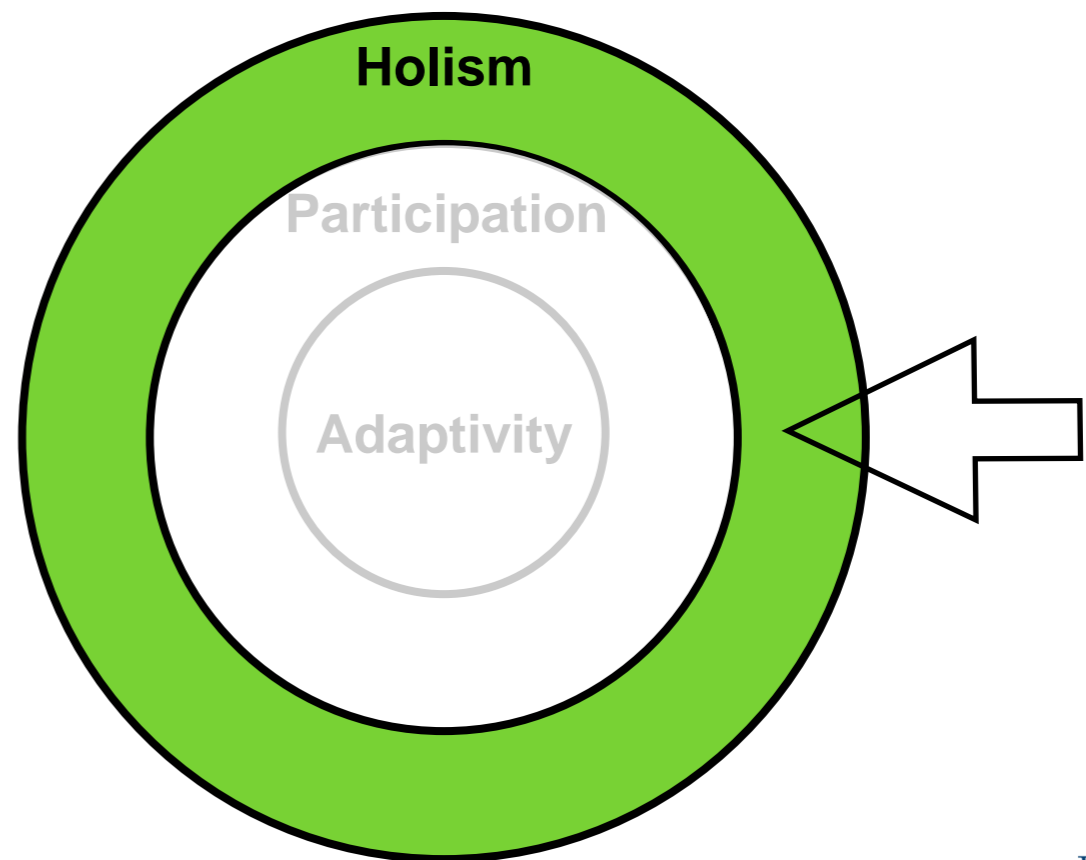
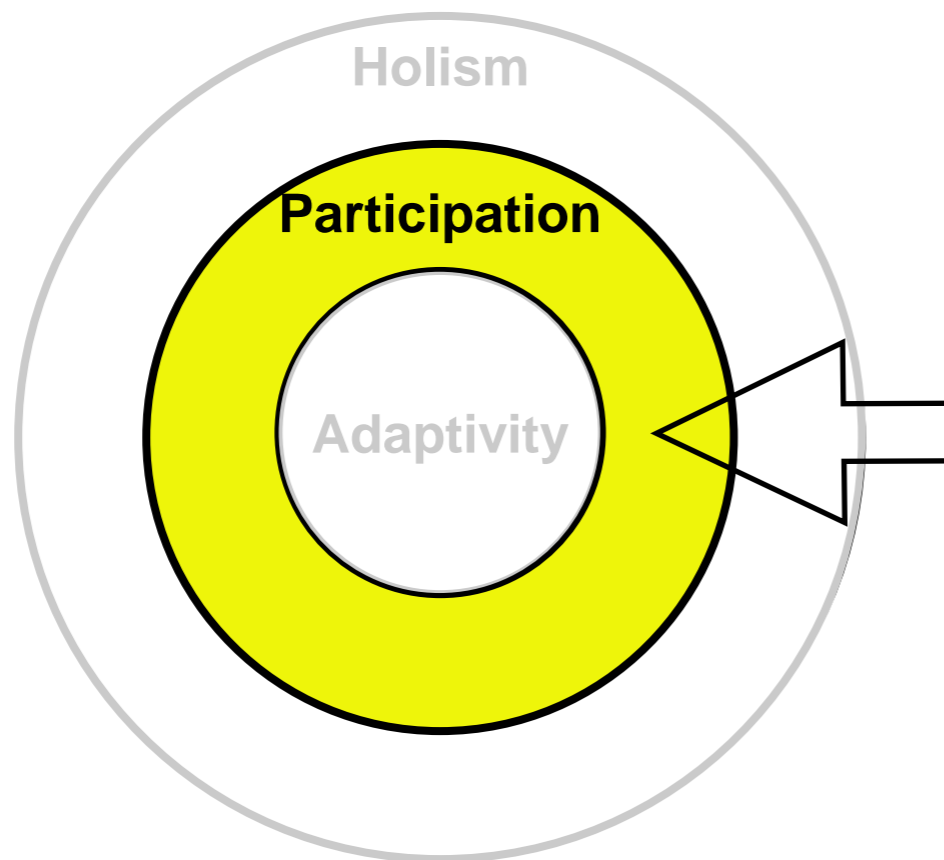
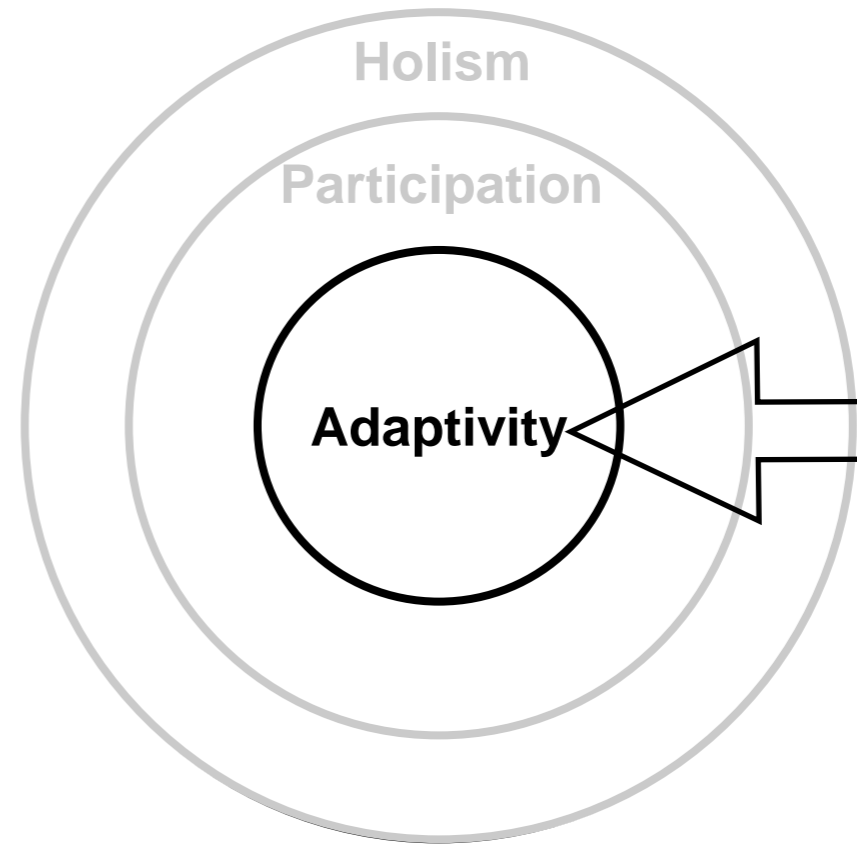
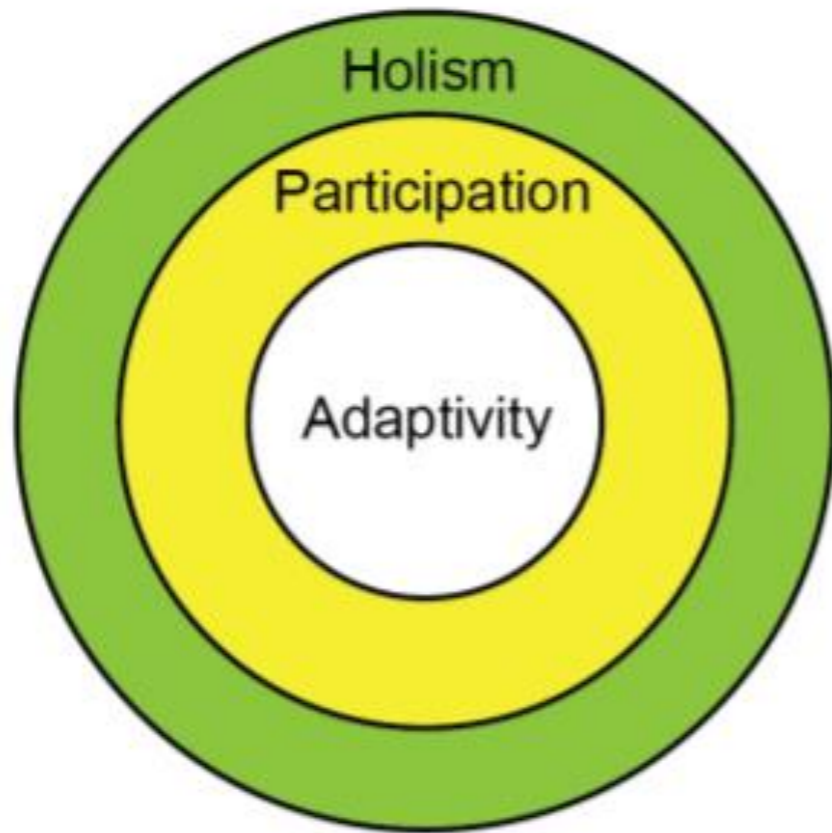
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Cohort 1

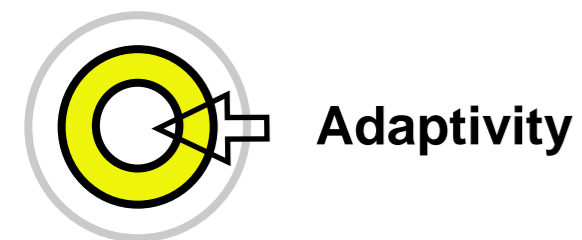


Source: Vanasupa and Thurman 2018



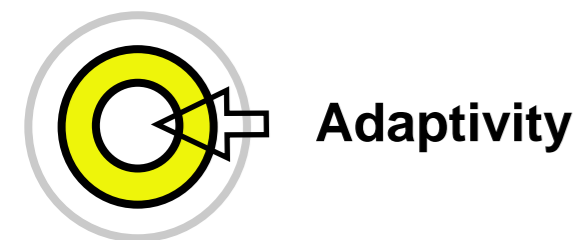


Rapid Fire Response in Thai Refugee Camps



Adaptivity





Adaptivity

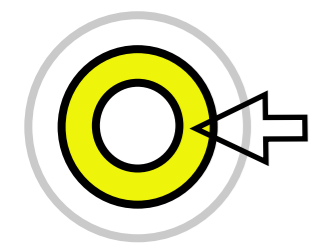




INDUSTRY



Spring & Fall 2017
Industry Scholars Program

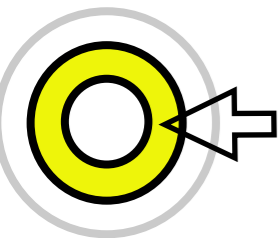


Participation



- Rasquachismo initially coined by Tomás Ybarra-Frausto to describe Latinx artistic expressions that emerged from working class, marginalized, and bicultural sensibilities.
 - “making with whatever is at hand”

RASQUACHISMO

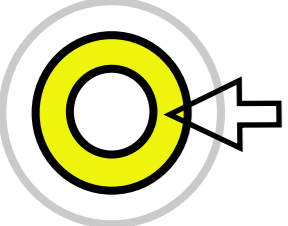


Participation

Properties of Saturated Water (Liquid-Vapor): Temperature Table

Pressure Conversions:
 1 bar = 0.1 MPa
 = 10² kPa

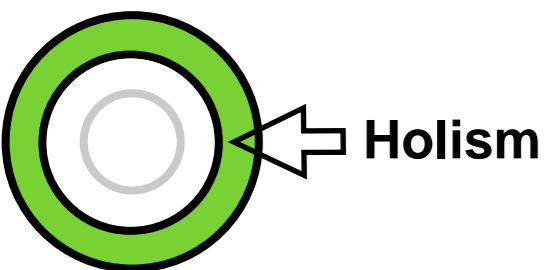
Temp. °C	Press. bar	Specific Volume m ³ /kg		Internal Energy kJ/kg		Enthalpy kJ/kg			Entropy kJ/kg · K		Temp. °C
		Sat. Liquid v _f × 10 ³	Sat. Vapor v _g	Sat. Liquid u _f	Sat. Vapor u _g	Sat. Liquid h _f	Evap. h _{fg}	Sat. Vapor h _g	Sat. Liquid s _f	Sat. Vapor s _g	
.01	0.00611	1.0002	206.136	0.00	23						
4	0.00813	1.0001	157.232	16.77	23						
5	0.00872	1.0001	147.120	20.97	23						
6	0.00935	1.0001	137.734	25.19	23						
8	0.01072	1.0002	120.917	33.59	23						
10	0.01228	1.0004	106.379	42.00	23						
11	0.01312	1.0004	99.857	46.20	23						
12	0.01402	1.0005	93.784	50.41	23						
13	0.01497	1.0007	88.124	54.60	23						
14	0.01598	1.0008	82.848	58.79	23						
15	0.01705	1.0009	77.926								
16	0.01818	1.0011	73.333								
17	0.01938	1.0012	69.044	71.38	23						
18	0.02064	1.0014	65.038	75.57	24						
19	0.02198	1.0016	61.293	79.76	24						
20	0.02339	1.0018	57.791	83.95	24						
21	0.02487	1.0020	54.514	88.14	24						
22	0.02645	1.0022	51.447	92.32	24						
23	0.02810	1.0024	48.574	96.51	24						
24	0.02985	1.0027	45.883	100.70	24						



Participation



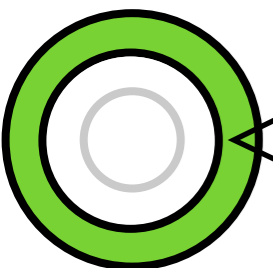
innovation
 critical sustainability
 thinking empowering improve
 volunteering sustainability/social motivating
 peace
 sociotechnical projects
 change impact empathy doing harmony conscious awareness
 call
 service people reflection
 perspective action uniting
 difference influence
 things empower work compassion gratitude
 intelligence discovery others
 self-reflection equity social different
 collaboration emotional pizza outreach
 engineering opportunity engage
 improvement
 lives environment
 development



Engineering, Social Justice, and Peace Conference



at the
University of San Diego

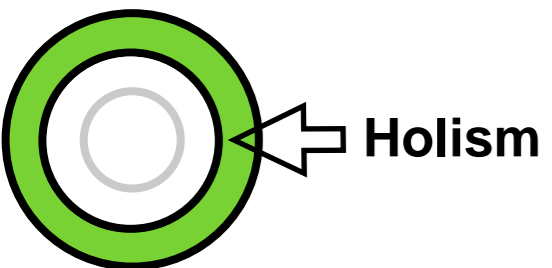


← Holism





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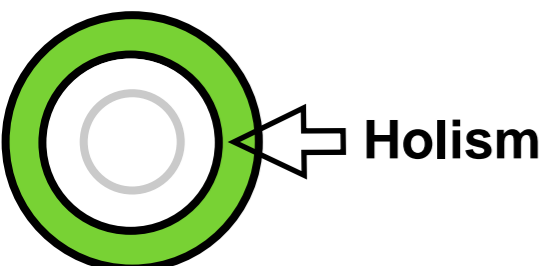


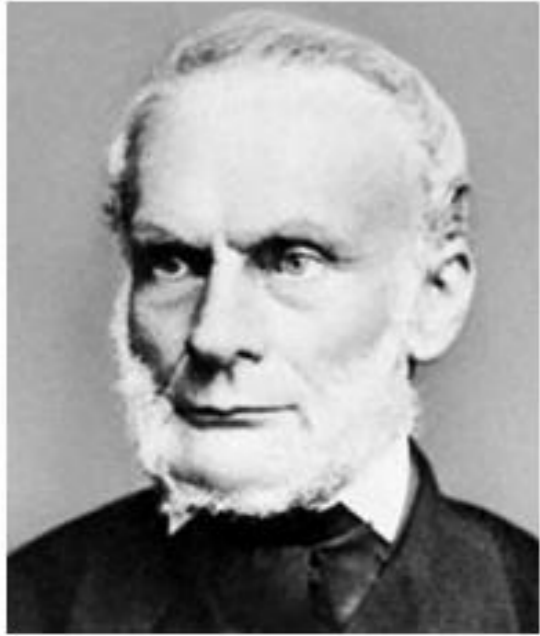
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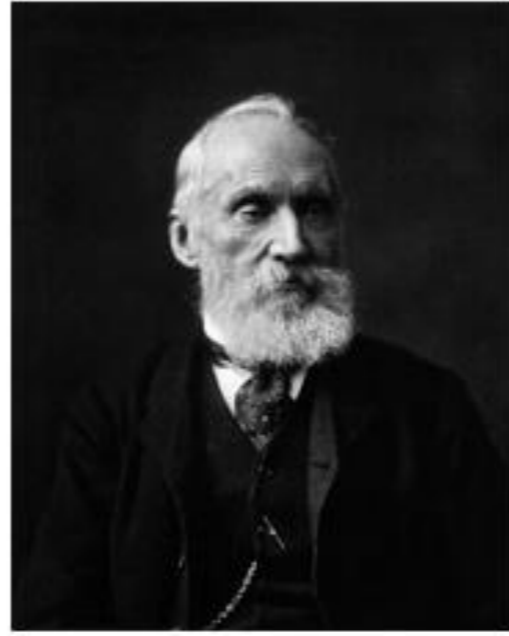
Module Table of Contents (Under Development)

- [CIRCUITS-Conflict Minerals](#)
- [CIRCUITS-Electronics Recycling](#)
- [CIRCUITS-Responsible Engineering](#)
- [HEAT TRANSFER-Water Heater](#)
- [INDUSTRIAL ENGR-Professional Practice](#)
- [MATERIALS SCIENCE-Biomaterials Design](#)
- [MATERIALS SCIENCE_Bring in Your Trash](#)
- [PEACE ENGINEERING-Interdisciplinary Collab](#)





Rudolf Clausius
(1822-1888)



Lord Kelvin
(1824-1907)



Max Planck
(1858-1947)



Sadi Carnot
(1796 - 1832)

USD's Emergent Revolution

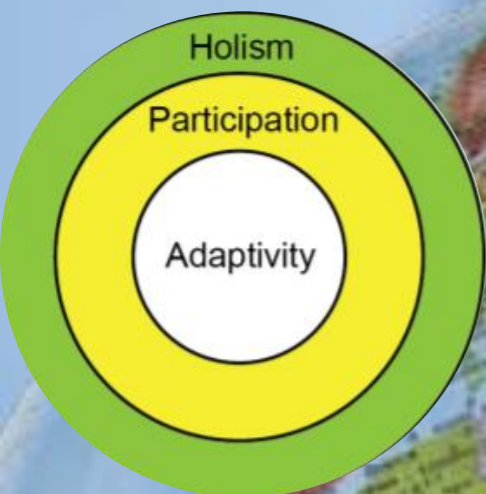


“We envision a future where students select engineering as a major because they want to make a difference in society, and their education prepares them to do so.”

*Chell Roberts, Founding Dean
Shiley-Marcos School of Engineering*

Thank you.

**Contact:
mcamacho@sandiego.edu**



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