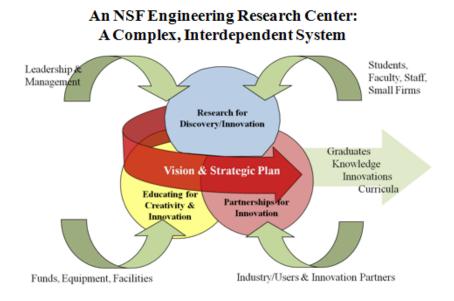




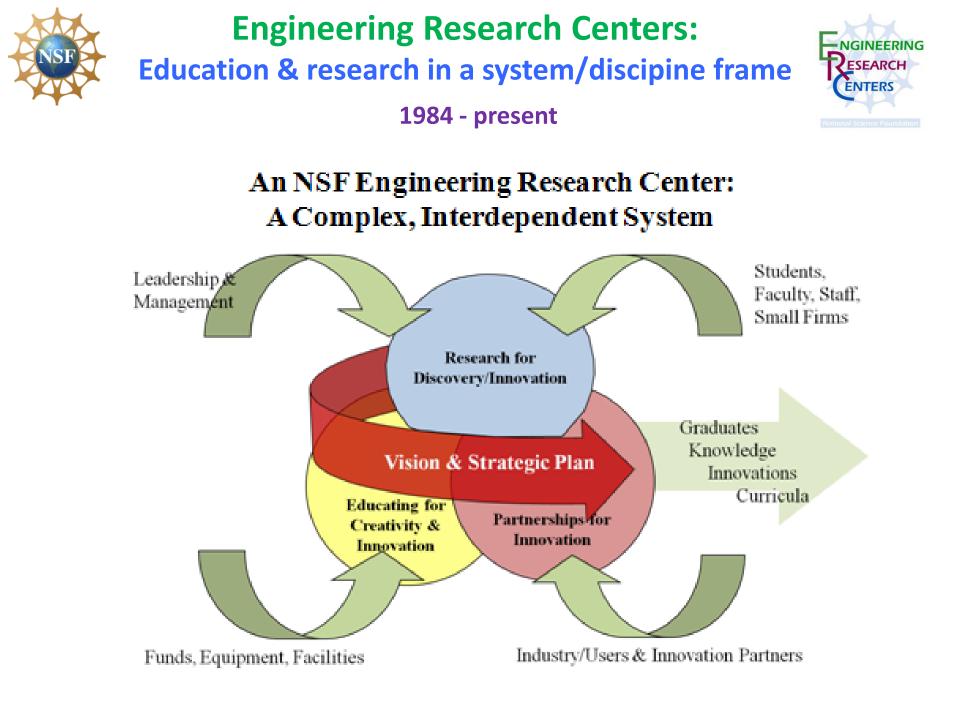
National Science Foundation Engineering Research Centers

D. Keith Roper

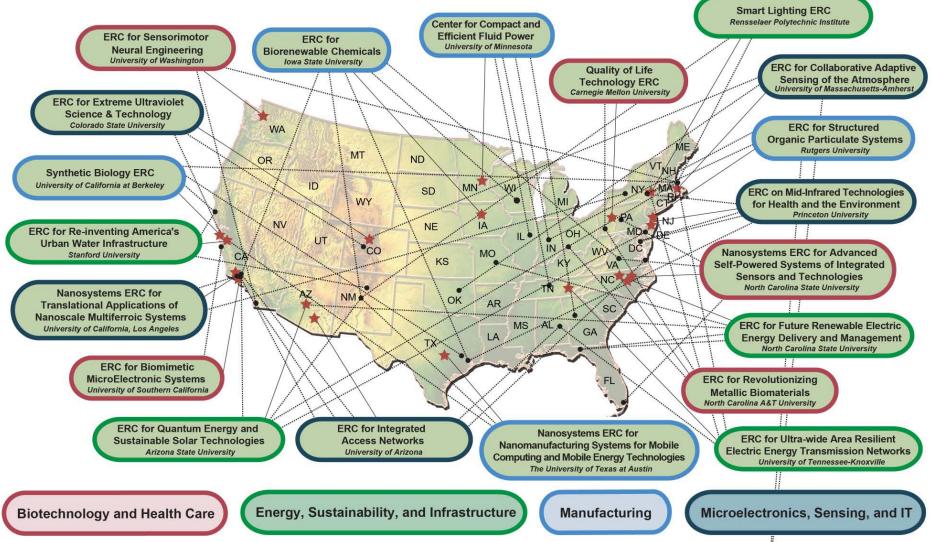
Engineering Education and Centers, National Science Foundation



March 16, 2015



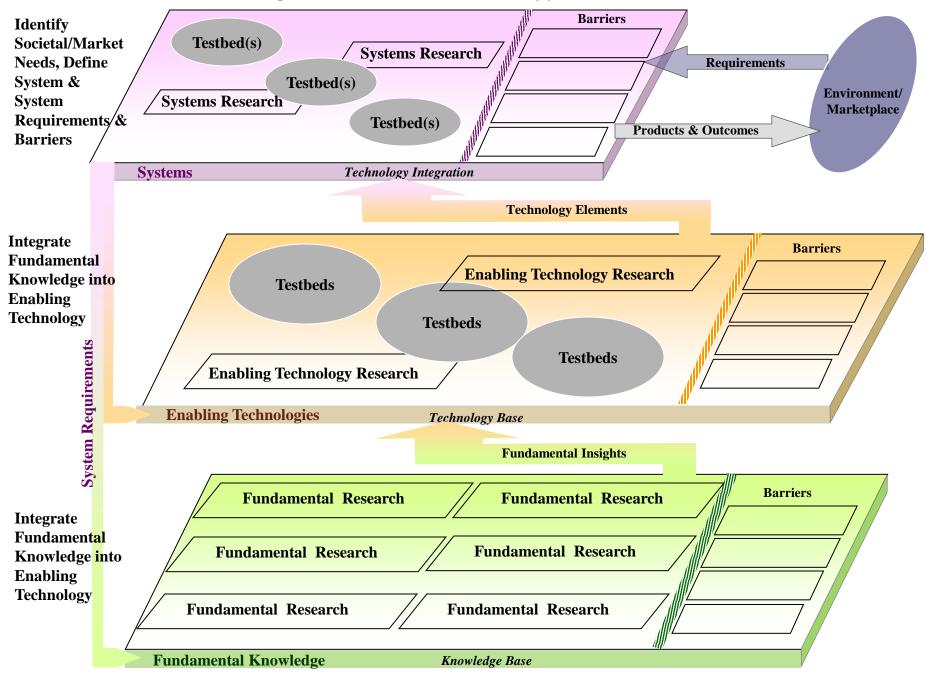
NSF's FY 2013 Engineering Research Centers Lead Institutions **★** and Core • Partners

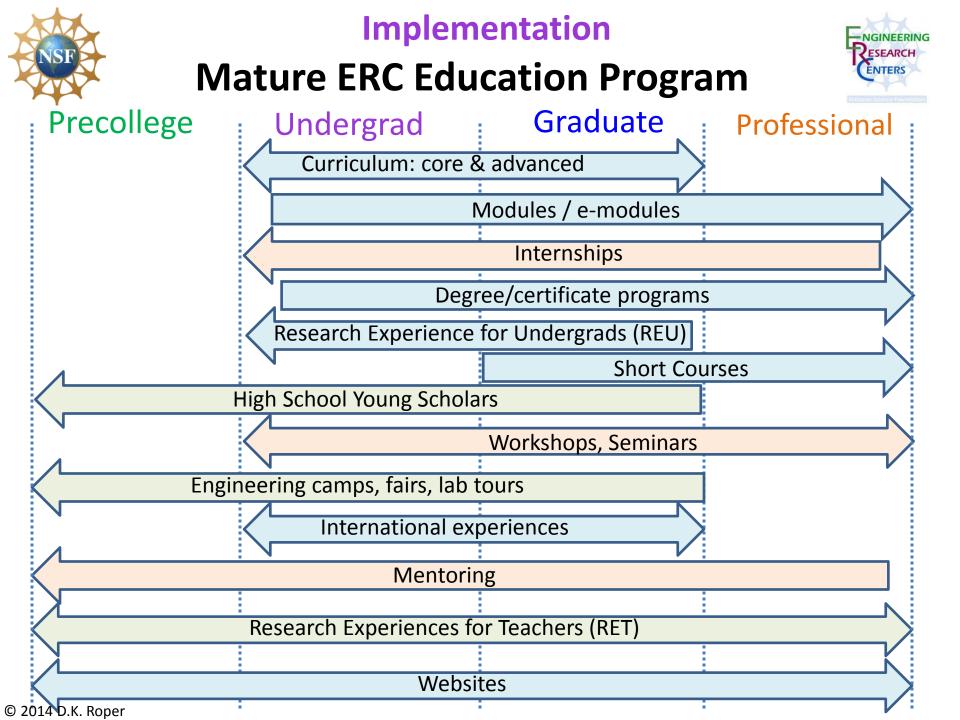


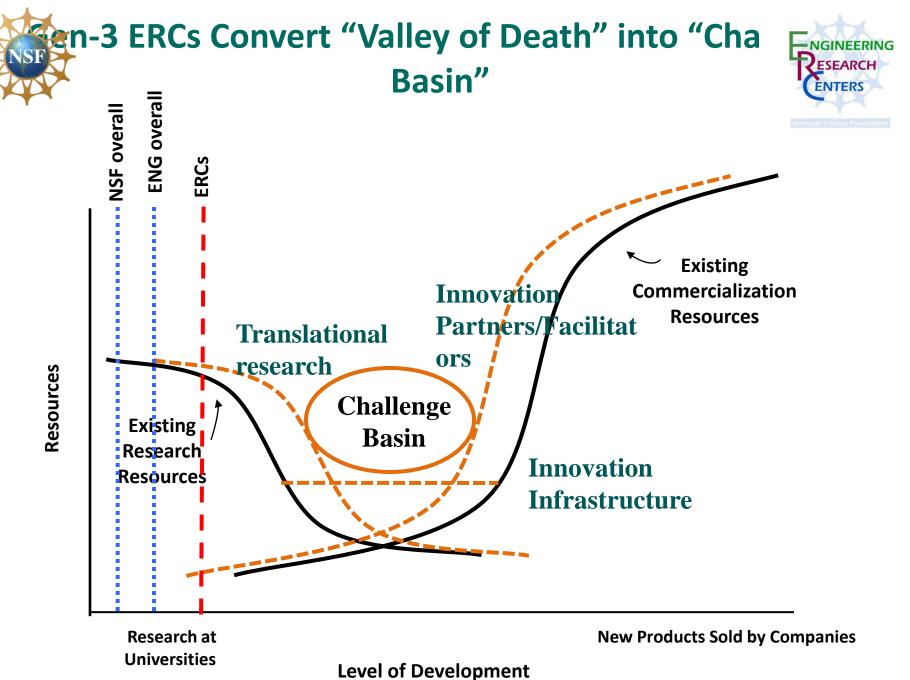
Note: All centers are multi-university partnerships; university shown is lead institution.

University of Puerto Rico-Mayaguez

ERC Strategic Framework: It's not an ERC if you don't do all three







Adapted from chart by Deborah Jackson, ERC Program Director



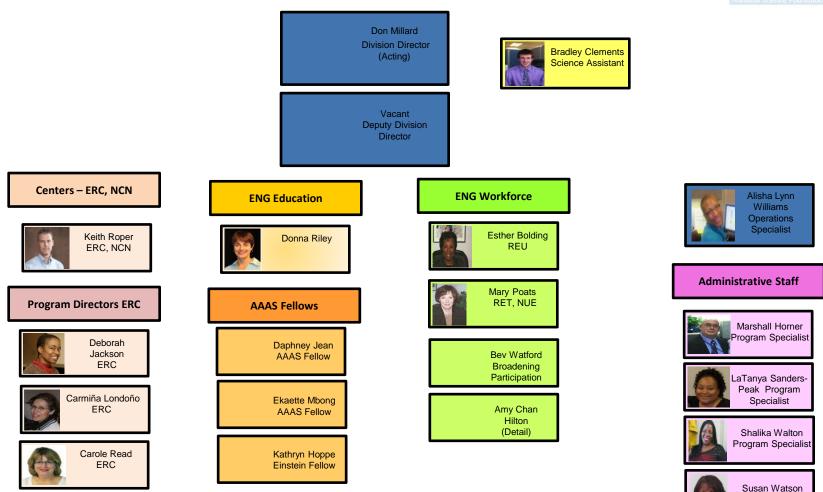
Division of Engineering Education and Centers

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Engineering Research Center Products



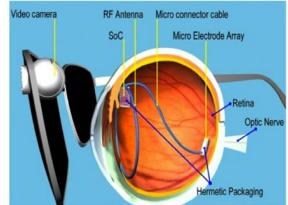
CurriculaNew CoursesNew Modules/Course materialsNew TextbooksNew Degree/Certificate ProgramsERC graduates	1984-2013 717 1,273 188 140 12,000	Argus II Retin
Innovation	1984-2013	Video camera RF Anter SoC
Patents Awarded	382	
Licenses Issued	669	
Chineff Componies	171	

Spinoff Companies Employees

171 1500



nal Prosthesis



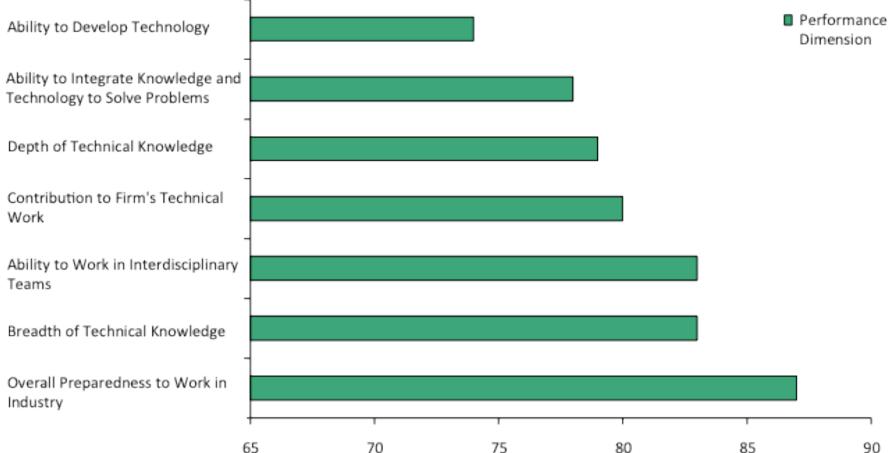
61 ERCs (1985 – 2014) Joining Discovery to Innovation for 30 Years



Engineering Research Center Products

>12,000 degrees awarded





Graduates in Industry

* Percentage of industrial supervisors rating the former ERC students/graduates hired by their firms as "Better Than" or "Much Better Than" equivalent hires without ERC experience