

# PACE

Partners for the Advancement of Collaborative Engineering Education



## Collaboration & Innovation Challenge (CIC)

A colorful, multi-layered car model with a globe overlay, suggesting global collaboration and innovation. The car is shown from a side profile, with various colored layers (blue, green, red, orange, yellow) and a globe overlay on the front wheel area.

PACE Alternative Projects Competition  
2015-2016



AUTODESK.



ORACLE SIEMENS

# PACE Collaboration & Innovation Challenge



*The main focus of the PACE Collaboration & Innovation Challenge (CIC) is to showcase new ideas and mobility related projects created by faculty and students from the various PACE Institutions.*

## **Faculty can propose projects such as:**

- *New proposals for human mobility*
  - *Innovative Vehicles*
  - *Vehicles or vehicle systems for specific needs (markets, demographics, etc...)*
  - *New kinds of vehicles and mobility business models*
- *Development of innovative systems for vehicles*
  - *Guidance*
  - *Safety*
  - *Propulsion*
  - *Suspension*
  - *Transmission*
- *Developments in vehicle manufacturing and materials*
- *Vehicular applications of electric, electronic, and computer engineering - New!*
- *Developments on the Ergonomics of Vehicle Design - New!*

## **Focus on collaboration between:**

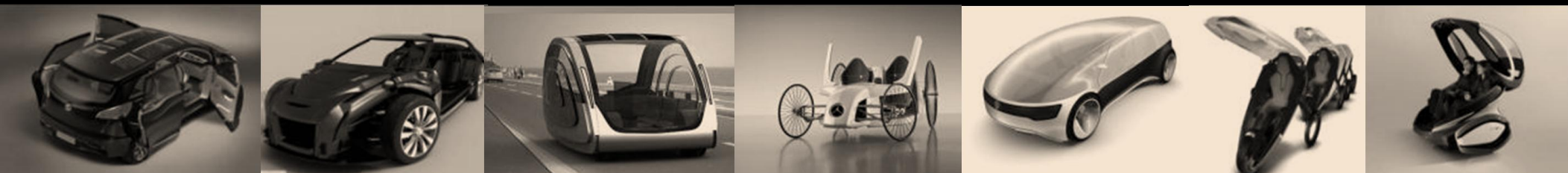
- *Engineering & Industrial Design, Or Engineering & Computer Engineering, Or Engineering & Materials Sciences*
- *PACE Institutions*



# Objectives



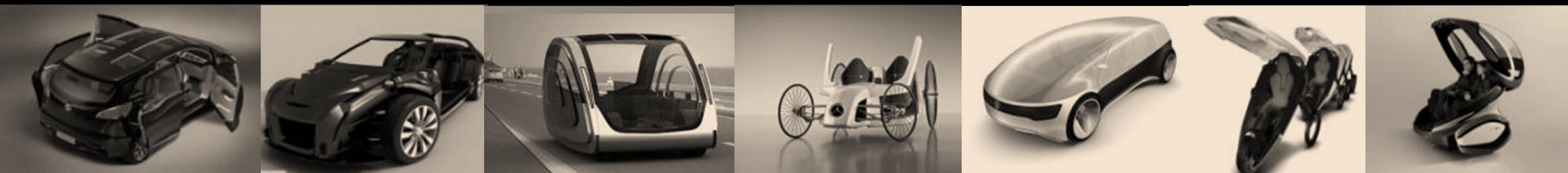
- To showcase innovative projects created at PACE Institutions
- To enhance collaboration between PACE Institutions
- To develop a stronger link between Engineering and Industrial Design
- To develop a stronger link between Engineering and Computer Engineering
- To develop a stronger link between Engineering and Materials Sciences
- To offer alternative project opportunities for PACE Institutions
- To increase the interest of PACE students in PACE projects
- To further develop the application of the PACE software and hardware tools
- To increase the participation of the PACE Institution students and faculty at the PACE Global Annual Forum



# How it will work



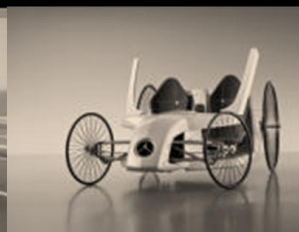
- Project proposals must be submitted by December 4th. The submission form is available from the PACE Office.
- Institutions must describe the project's theme, objectives and deliverables in the submission forms.
- Institutions will be in charge of the project organization and management.
- The PACE Office will help with finding mentoring within the partner companies.
- Presentations and/or posters will be presented at the 2016 PACE Forum. This will be determined by the number of submissions and the project evaluation process. **Preference will be given to projects that involve two or more PACE institutions.**
- Recognition will be given to the best project(s) judged by a team of industry representatives, PACE partner companies, and/or academic representatives.



# Presentation and Judgement



- The projects results will be presented during the 2016 PACE Global Annual Forum in Cincinnati.
- The evaluation team will also analyze a project report to be sent two months before the Forum with a detail description of the projects accomplishments with emphasis in innovation and collaboration.
- A CIC poster display and judging will be held at the forum.



# Project Timeline



Task or Milestone	Date
Call for CIC proposals and submission form sent to PACE faculty	November 5th
Reminder email for CIC proposals	November 18th
Proposals due from PACE schools/faculty	December 4th
Proposal authors notified of acceptance for competition	January 15th
Interim project status report #1 due from CIC teams	March 18th
Judges confirm receipt of first interim status reports	April 1st
Interim project status report #2 due from CIC teams	April 15th
Judges confirm receipt of second interim status reports	April 29th
Suggested report template sent to CIC teams	April 29th
CIC FINAL Project reports due from CIC teams	May 30th
CIC teams notified of judging decisions for presentations	June 10th
CIC poster judging at PACE Forum	July 25-27th
CIC FINAL presentations at PACE Forum (10 minutes/team)	July 27 (tentative)
1st, 2nd, 3rd place winners announced at PACE Awards Dinner	July 28th

