College Update

Dr. Alan Roberts
Vice President
November 8, 2011
“The Future ‘Aint What It Used To Be.”

- Henry Ford
Students Served (2010-11):
Unduplicated Headcount – 31,961
Full Time (FTE) – 14,151

Over 200 Programs offered...

Adult Ed.
- ESL
- High School
- GED

Vocational & Tech Ed.
- Apprentice
- Clock Hour
- Certificates

General Ed.
- A.A.

Workforce Ed.
- A.S.
- A.A.S.

Bachelor's Programs

S.U.S.
Florida Targeted Industry Clusters

**CLEANTECH**
- Energy
- Solar
- Biofuels
- Ocean
- Storage
- Smart Grid
- Efficiency
- Environment

**LIFE SCIENCES**
- Biotechnology
- Medical Device Manufacturing
- Pharmaceuticals
- Health Care

**INFORMATION TECHNOLOGY**
- Modeling, Simulation and Training (MST)
- Photonics/Optics
- Digital Media
- Software and Computer Systems Design & Integration
- Computers, Microelectronics and Precision Device
- Telecommunications

**AVIATION / AEROSPACE**
- Aviation
- Aerospace

**HOMELAND SECURITY / DEFENSE**
- Homeland Security
- Defense

**FINANCIAL / PROFESSIONAL SERVICES**
- Financial/Professional Services

**MANUFACTURING**
- Manufacturing

**EMERGING TECHNOLOGIES**
- Materials Science
- Nanotechnology
- Marine Science
Industry Focus of IRSC Growth

- Emerging Technologies
- Information Technology
- Homeland Security/Defense
- Clean Energy
- STEM
- Life Sciences
- Ocean Science
- Manufacturing
1992 – Science Center
1998 – Health Science Center
2005 – Kight Center for Emerging Technologies

INFORMATION TECHNOLOGY
HOMELAND SECURITY/DEFENSE
LIFE SCIENCES
STEM
EMERGING TECHNOLOGIES
OCEAN SCIENCE
CLEAN ENERGY
MANUFACTURING
2008 – FSU College of Medicine
2012 – Brown Center for Innovation and Entrepreneurship

INFORMATION TECHNOLOGY
HOMELAND SECURITY/DEFENSE
LIFE SCIENCES
STEM
EMERGING TECHNOLOGIES
OCEAN SCIENCE
CLEAN ENERGY
MANUFACTURING
**Solar Panel Field**
- 150 panels surrounding lake
- Will produce approx. 30kw
- Represents 12% of CIE power

**Electric Car Charge Stations**
- 2 stations
- 1 solar/1 comm.

**Wind Turbines**
- 3 Turbines/3.6kw
- 1.5% of CIE power
- Location: TBD
Brown Center for Innovation and Entrepreneurship
Brown CIE
Alternative Energy Lab

• **Battery Area** – reconditioning, health monitoring, optimization
• **Biofuels Area** – ethanol production: fermentation/gasification
• **Solar Area** – economics, efficiency, maintenance of equipment
• **Assemble/Testing Area** – state-of-the-art testing equipment
• **Fuel Cell Area** – H₂ and O₂ electrochemical process module
Brown CIE
Sustainable Building & Design Lab

- Smart Grid Equipment
- Thermal Imaging Equipment
- Appliance Testing
- Insulation and Window Efficiency
- 3-D Design Software
- Rapid Prototyping Machines
- CNC Lathe & CNC Mill
Brown Center for Innovation and Entrepreneurship

[Diagram of the Brown Center for Innovation and Entrepreneurship]

Corporate & Community Training Institute
@ Indian River State College

Florida SBDC Network
Entrepreneur Development Institute
@ Indian River State College
2012 – S.T.E.M. Center
<table>
<thead>
<tr>
<th>Theme</th>
<th>2011-12</th>
<th>2013-14</th>
<th>2015-16</th>
<th>2017-18</th>
<th>2019-20</th>
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<td>Biotechnology</td>
<td>Radiologic Science</td>
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<td>Cyber Security</td>
<td>Animation ✓</td>
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<td>Interdisciplinary Social Sciences *</td>
<td>Public Administration *</td>
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<td>Marketing</td>
<td>International Business</td>
<td>Accounting</td>
<td>Finance</td>
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</table>
Some of our MANY Partnerships...
Sound Financial Management
Attention on our Major Resource: People
Continued Development of People
Effective Use of Research & Data
Support for Student Success

Realizing IRSC's Potential

from 2000... to 2016
Grant Awards

Southeast Regional Center for Optics & Photonics Education and Training
$70k award to develop comprehensive plan to meet industry workforce needs and develop training strategies.

Regional Center for Nuclear Education and Training
$3.1 million to develop and deliver nuclear training throughout the Southeast; 1st Center of its kind.

Center for Ocean Science Education Excellence
$2.8 million to establish COSEE Florida, 5-year partnership designed to promote ocean science education
Honor Roll

Eastern Kentucky University
Hofstra University
University of Mississippi

Georgia Institute of Technology
National University (CA.)
University of Notre Dame

Indian River State College
George Mason University
University of Michigan
University of Southern California
National Spotlight - Affordability

.named

IRSC

3rd Most Affordable College In The Nation

Indian River State College

Net price: $2,130
Tuition: $1,963*
Undergrad enrollment: 17,110
Freshmen with financial aid: 66%
Location: Fort Pierce, Fla.

NEXT: California State University-Dominguez Hills
National Spotlight - Quality

U.S. News & World Report
BEST COLLEGES
2011

SOUTH REGION

#12 Top Public Schools

#65 Overall
Painting the future...