

2016

NC CLEAN TECH SUMMIT

FEBRUARY 18-19
THE FRIDAY CENTER

Co-hosted by the University of North
Carolina at Chapel Hill's Institute for the
Environment and Kenan-Flagler Business
School's Center for Sustainable Enterprise

#NCCTS16



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THE ENVIRONMENT



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NC Clean Tech Summit
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schedule, news + more.

*THE TRIANGLE HAS A HIGH CONCENTRATION
OF CLEANTECH EMPLOYEES – HIGHER, IN FACT,
THAN THAT OF ATLANTA, AUSTIN, BOSTON,
DENVER OR SAN DIEGO.*

2016 AGENDA

8:00 – 9:00

SUMMIT BEGINS WITH REGISTRATION AND NETWORKING

9:00 – 10:30

KEYNOTE ADDRESS AND WELCOME REMARKS
(GRUMMAN AUDITORIUM)

9:00 – 9:45

WELCOME REMARKS

Reginald Holley, Chair of the Board of Visitors for the UNC Institute for the Environment
Carol Folt, UNC Chancellor
The Honorable Tim Moore, Speaker of the NC House of Representatives
Jay Faison, Founder and Managing Partner, ClearPath Foundation

9:45 – 10:30

MORNING KEYNOTE

David Fountain, NC President, Duke Energy

10:30 – 10:45

BREAK

10:45 – 12:00

**INNOVATIVE INVESTMENT APPROACHES
(GRUMMAN AUDITORIUM)**

MODERATOR

Truman Semans, Element Capital Advisors

PANELISTS

Jay Faison, ClearPath Foundation

Greg Gaskins, NC Department of State Treasurer

Scott Jacobs, Generate Capital

**INTERNET OF THINGS (IOT) ENABLED
SMARTER BUILDINGS (SUNFLOWER ROOM)**

MODERATOR

Nikhil Kaza, UNC-Chapel Hill Department of City and Regional Planning

PANELISTS

Amy Aussieker, Envision Charlotte

Ken Dulaney, FREEDM Systems Center at North Carolina State University

Bryan Lampley, Hoffman Building Technologies

CURRENT TRENDS IN THE ELECTRIC VEHICLE MARKET (REDBUD ROOM)

MODERATOR

Apoorv Agarwal, Engineering Innovation LLC

PANELISTS

Akhil Jariwala, PlugShare

Alex Keros, General Motors

Eric McCarthy, Proterra Inc.

Mike Waters, CTE Consulting

12:00 – 1:30

LUNCH IN TRILLIUM

LESSONS IN INNOVATION (TRILLIUM)

INTRODUCTIONS

Al Segars, UNC Kenan-Flagler Business School

SPEAKERS

Andrew Clinton, Deloitte Consulting

Rob Glass, Cree

1:30 – 2:45

VENTURE CAPITAL IN CLEAN TECH (GRUMMAN AUDITORIUM)

MODERATOR

Judith Cone, UNC-Chapel Hill, Innovation & Entrepreneurship

PANELISTS

Lister Delgado, IDEA Fund Partners

Henrik Holland, Shell Technology Ventures

David Kirkpatrick, SJF Ventures

NORTH CAROLINA'S SMART CITIES (SUNFLOWER ROOM)

MODERATOR

Maurice Ferrell, Center for Public Technology / UNC School of Government

PANELISTS

Bruce Clark, Knight School of Communication at Queens University of Charlotte

Tom D'Alesandro, Blakefield LLC

Greg Marrow, Durham County Government

THE PATH FORWARD FOR NC'S EMERGING WIND INDUSTRY (REDBUD ROOM)

MODERATOR

Katherine Ross, Parker Poe

PANELISTS

Paul Friday, Marine Corps Installations East

Don Giecek, Apex Wind Energy

Wayne Harris, Pasquotank County Economic Development Commission

April Montgomery, Renewable Energy and Preservation

Craig Poff, Iberdrola Renewables

2:45 – 3:15

BREAK

3:15 – 4:30

NEW TECHNOLOGY AND THE FUTURE OF ENERGY (GRUMMAN AUDITORIUM)

MODERATOR

Chris Wedding, IronOak Energy

PANELISTS

Brian Dalgetty, IBM Analytics

Kellan Dickens, GE Renewable Energy at GE Power & Water

Perry Smith, AIMSCO

Aleksandar Vukojevic, Duke Energy

RENEWABLE ENERGY AND RURAL DEVELOPMENT (SUNFLOWER ROOM)

MODERATOR

Peden Harris, Birdseye Renewable Energy

PANELISTS

Melissa Malkin-Weber, Self-Help Credit Union & Ventures Fund

Joel Olsen, O2energies

Angelo San Fratello, Landowner

Paul Sherman, NC Farm Bureau



THE TRIANGLE'S 350 CLEANTECH FIRMS,
RANGING FROM STARTUPS TO FORTUNE 500
COMPANIES, ARE FUELED BY THE AREA'S MANY
SPECIALTY R&D CENTERS – FOUR FOR SMART
ENERGY, FOUR FOR ELECTRIC VEHICLES AND
17 FOR WATER RESEARCH AND POLICY –
AND 16 ENTREPRENEURIAL SUPPORT
ORGANIZATIONS HELP, TOO.

CONNECTING VETERANS WITH CLEAN ENERGY JOBS (REDBUD ROOM)

MODERATOR

Maggie Clark, North Carolina Sustainable Energy Association

PANELISTS

Maria Barker, Strata Solar

Stephanie Kline, Department of Energy

Rep. John Szoka, NC General Assembly

Kimberly Williams, North Carolina for Military Employment

4:30 – 4:45

BREAK

4:45 – 5:45

THE VALUE OF WATER: AN INDUSTRY PERSPECTIVE (GRUMMAN AUDITORIUM)

MODERATOR

Greg Characklis, UNC-Chapel Hill Department of Environmental Sciences and Engineering

PANELISTS

Bob Farren, Pinehurst Resort & Country Club

Wayne Flournoy, Entex

Jon Radtke, Coca-Cola North America

Art Van Wingerden, Metrolina Greenhouses

Kevin Wheeler, Highland Brewing Company

5:45 – 6:45

NETWORKING RECEPTION (ATRIUM)

7:00

SUMMIT DINNER (TRILLIUM)

With remarks by Douglas A. Shackelford, Dean, UNC Kenan-Flagler Business School, and keynote address by Scott Jacobs, CEO and Co-Founder, Generate Capital

8:00 – 8:30

REGISTRATION AND NETWORKING COFFEE (ATRIUM)

8:30 – 8:45

WELCOME REMARKS (GRUMMAN AUDITORIUM)

Markus Wilhelm, CEO, Strata Solar

The Honorable Janet Cowell, Treasurer of the State of North Carolina

8:45 – 9:30

KEYNOTE ADDRESS

Jim Hughes, CEO, First Solar

9:30 – 9:45

BREAK

9:45 – 10:45

RENEWABLE ENERGY FINANCING (GRUMMAN AUDITORIUM)

MODERATOR

Steve Arbogast, UNC Kenan-Flagler Business School

PANELISTS

RD Gauss, Morgan Stanley

John Hackney, Energy & Power Investment Banking Group, Wells Fargo Securities

Rory Huntly, Jacobs Capital

Patrick McConnell, Cypress Creek Renewables

**NEW RESEARCH IN PREDICTIVE ANALYTICS
FOR UTILITIES (SUNFLOWER ROOM)**

MODERATOR

Arcot Rajasekar, Renaissance Computing Institute

PANELISTS

Kyle Bradbury, Duke University Energy Initiative

Tim Driscoll, Itron

Rudy Shankar, UNC Charlotte Energy Production & Infrastructure Center

CLEAN ENERGY IN THE MEDIA: TRENDS FROM THE REPORTER'S NOTEBOOK (REDBUD ROOM)

MODERATOR

Tom Linden, UNC School of Media and Journalism

PANELISTS

Dave DeWitt, WUNC

Jim Pierobon, Southeast Energy News

Kristi Swartz, E&E's EnergyWire

10:45 – 11:15

BREAK AND SUMMIT MENTOR SESSIONS

11:15 – 12:15

STORAGE SOLUTIONS ON THE HORIZON (GRUMMAN AUDITORIUM)

MODERATOR

Gary Rackliffe, ABB

PANELISTS

Scott Baker, PJM

Randell Johnson, Alevo

Larry Monroe, Southern Company

Justin Sabrsula, GE Renewable Energy at GE Power & Water

Boris von Bormann, Sonnenbatterie

RENEWABLE ENERGY POSTCARDS FROM THE FUTURE (SUNFLOWER ROOM)

MODERATOR

Chris Vlahoplus, ScottMadden

PANELISTS

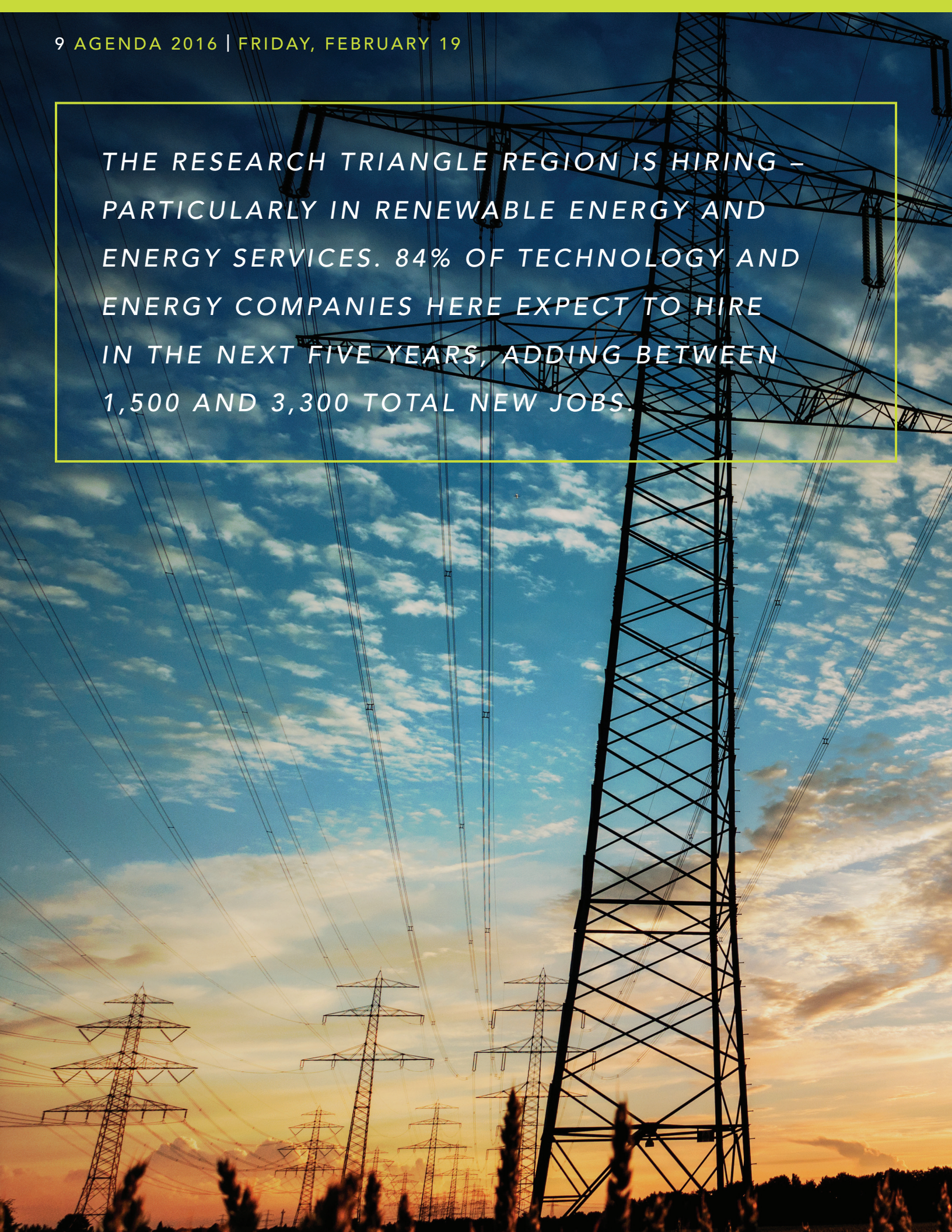
Henry Campen, Parker Poe

Gary Freeman, Duke Energy

Cristin Lyons, ScottMadden

Andreas von Schoenberg, Andreas von Schoenberg Consulting

THE RESEARCH TRIANGLE REGION IS HIRING –
PARTICULARLY IN RENEWABLE ENERGY AND
ENERGY SERVICES. 84% OF TECHNOLOGY AND
ENERGY COMPANIES HERE EXPECT TO HIRE
IN THE NEXT FIVE YEARS, ADDING BETWEEN
1,500 AND 3,300 TOTAL NEW JOBS.



ENVIRONMENTAL RESTORATION AND ECONOMIC GROWTH (REDBUD ROOM)

MODERATOR

Todd BenDor, UNC-Chapel Hill Department of City and Regional Planning

PANELISTS

Jeff Hughes, UNC Environmental Finance Center

Sara Lawrence, RTI International

Tom Looney, NC Economic Development Partnership

David Peart, Department of Biological Sciences, Dartmouth College

John Preyer, Restoration Systems

12:15 – 2:00

NETWORKING LUNCH + CAREER PANEL (TRILLIUM)

Remarks by Kevin Guskiewicz, Dean, UNC College of Arts and Sciences,
and Jenn Bosser, Executive Director, Research Triangle Cleantech Cluster

MODERATOR

Hilary Davidson, Duke Energy

PANELISTS

Cindy Holmes, City of Raleigh

Maria Kingery, Southern Energy Management

Cristin Lyons, ScottMadden

2:15 – 3:30

CLEAN ENERGY POLICIES IN THE SOUTHEAST (GRUMMAN AUDITORIUM)

MODERATOR

Stuart Pearman, ScottMadden

PANELISTS

Kendal Bowman, Duke Energy

Jennifer Bumgarner, Energy Foundation

James Kerr, Southern Company

Brian O'Hara, Strata Solar

Ivan Urlaub, NC Sustainable Energy Association

3:30 – 3:45

CLOSING SPEAKER (GRUMMAN AUDITORIUM)

Larry Band, UNC Institute for the Environment

3:45

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