

Name Racius Pourton
Mailing Address PEB1216 Pittsboro NC 27312
Home Address (if different) 55 Thomas Lave Moncure NC 27557
Home Phone Work Phone
Cell Phone 917-444-3495 Email Address Wienehuruch@ blast com
Township of Residence How River
Are you currently serving on a hoard or committee in Chatham County? Yes (NO)
If yes, please list all boards and committees on which you currently serve: ccc Biofuels Adv.scry
Previous Abundance Foundation, CFSA, Town of Pithbere,
Brants Committee Predmonet Bisfuels Cooperative
Please list your educational background. Include names of schools and degrees held.
BA Liberal Arts/wic AA - Andromotive Technology/Centificate Peranche
in Instalkable Acriculture Coursework in Nutrition Science, Energy
Name of Employer Self (Microrodal Energy & Chatham Wikless)
Address of Employer
Position Fresident/Founder
Please list the names of the civic organizations in which you currently hold membership:
American Oil Chemists Society American Standards & Tosting Materials
Society of Automotive Engineers, CPSA
Explain how your education, knowledge and experience will be an asset to the EDC.
believe Mars as unique Skillest in censusble fuels transportation,
and small business experience that could be valuable to
EDC. I am an alumni of both unc-chapel Hill and CCCC
Dittabaco and Soutord. There is a real value in two year
and four year education experiences and how these educational
914-542-8274 • infe@chathamede.org • www.chathamede.org
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leveraged into meaningful employment for on the variationed
iever-ged in meaningful employment for our citizens, including the participate in strengthening with the visitioned and the providing to providing the strengthening with the visitioned

Describe your vision for economic development in Chatham County.
believe that Chatham County can be a model for the entire
3 tate of North Carolina in how we can revive sectors of
Manufacturing within the renaissance of home-grown
coverines its I food trucks and small forms; with would be
Manufacturing within the renaissance of home-grown covines is like I food tracks and small forms; left would be to see chather step formers with new technologies in the kessessed economy
Is there a particular aspect of economic development that interests you? Explain how you
would like to be involved.
I would like to be indelved in any or il sectors that
involve entrepreneuration, manufacturity information
factually, and energy production distribution.
Demographic information (OPTIONAL) We ask your help in assuring the diversity of membership on our boards and committees. This section is optional, and you may leave it blank.
Gender: 🗆 Male 🔎 Female
Oate of Birth
Ethnic Background
☑ White, non-Hispanic ☐ African-American ☐ Hispanic
☐ Asian or Pacific Islander ☐ Native American ☐ Other, Specify:

Please send completed application to:

Rachel Marie Burton

55 Thomas Lane Moncure, NC 27559 919.444.3495 rachel@blast.com

Education

- Council for Entrepreneurial Development, FastTrac® business graduate, comprehensive business planning program for start-up entrepreneurs, 2011.
- National Renewable Energy Laboratory, Sustainable Energy and Education Training, Graduate course, Colorado School of Mines, Golden, Colorado, 2007.
- Associate Degree in Applied Science; Automotive Systems Technology, Central Carolina Community College (CCCC), 2000; Dennis Wicker Vocational Honors Scholar
- REAL Farm Business Administration Certificate, CCCC, 1997
- Bachelor Arts & Sciences. University of North Carolina at Chapel Hill, AB/Nutrition Science, 1996
- Biodiesel Production Technology, Analytics and Biodiesel Business Development, Iowa State University, 2003

Piedmont Biofuels, Director, Research & Business Development (2008 - Present)

- Co-PI, Senior personnel on current DOE SBIR Phase I & II for enzymatic biodiesel research
- Founded research division to evaluate new biodiesel processes and technologies
- International and national consultant and speaker on biodiesel quality and performance
- Developed a patent-pending process for enzymatic esterification of biodiesel.
- Authored & administered over 10 state and federal grants (USDA, DOE, Dept. of Commerce) equaling over \$2 million

Piedmont Biofuels, Laboratory and Quality Control Manager (2005 - 2008)

- Manage all aspects of quality assurance activities
- Responsible for all government compliance activity and permitting requirements.
- · Oversee design and implementation of laboratory facilities
- Implemented the quality management system and BQ-9000 accreditation

National Biodiesel Board, Diesel Technician Trainer, Sustainability Taskforce, Technical Committee (2008 – Present)

- Developed and delivered diesel technician training curriculum program for NBB, nationwide
- Implemented ASE certification for diesel technician training curriculum program
- · Founding and active committee member for Sustainability Taskforce
- Developed industry sustainability principles and producer guidance
- Conference organizer for the 2007 and 2008 Sustainable Biodiesel Summit

Central Carolina Community College, Pittsboro and Sanford, NC 2001 · 2006

- Biofuels program founder and coordinator, and introduced biofuels curriculum within the sustainable agriculture program.
- Established seven new continuing education and curriculum courses.

- Delivered State Energy Office Clean Technology Biodiesel demonstration program
- Organized two national biofuels conference and various workshops.
- Huskins Automotive program director 2001-2005
- Instructor for Automotive and Diesel technology, brakes, electrical systems, and emission controls.

Honors/Certification

- National Biodiesel Researcher of the Year. National Biodiesel Board. November 2011.
- Distinguished Alumni Award, Central Carolina Community College, 2012.
- NC Mobile CARE Fuel & Technology Provider award, 2010
- Graduate, Society of Automotive Engineers, Diesel Engine Seminar, 2009
- AOCS, American Oil Chemists' Society: Edible Oil Processing Certification, 2007
- National Biodiesel Accreditation Commission, BQ9000 implementation, 2007,2008
- Magellan Midstream Biodiesel Quality Certification, 2006
- Certification in Photovoltaic Technology, Solar Energy International, 2005
- National Alternative Fuels Training Consortium, Beta Test Course, 2004
- Certification in Alternative Fuels, Solar Energy International, 2004

Seminars and Lectures

- Mutli-Feedstock Biodiesel Production with enzyme catalysts. National Biodiesel Conference, Orlando, FL. February 2012.
- Lipase Esterification for Biodiesel Production, EuroFedLipid meeting in Rotterdam, Netherlands, September 19, 2011
- Enzymatic Biodiesel Production, American Oil Chemists Society (AOCS) Annual Meeting, May. 2, 2011. Cincinnati, OH
- Biodiesel Production Intensive 3-day Coordinator and Instructor, Piedmont Biofuels, Pittsboro, NC, March 2-4, 2011.
- Enzymatic Biodiesel Production, National Biodiesel Conference, Feb. 7, 2011. Phoenix, AZ.
- High voltage current for continuous glycerin separation from biodiesel. American Oil Chemists Society (AOCS) Biodiesel Congress Meeting, November. 2010. Munich, Germany
- Sustainable Biodiesel Production Techniques, American Oil Chemists Society (AOCS)
 Annual Meeting, May. 2009. Orlando, FL
- Sustainable Biodiesel Production, American Oil Chemists Society (AOCS) Annual Meeting, May. 2008. Seattle, WA.
- In-depth Biodiesel Production, Use and Plant Design Workshop 5-day Intensive Workshop.

Coordinator and Lead Instructor. Solar Energy International. Pittsboro, NC. October 1-5, 2007.

- Biodiesel Production and Fuel Quality Lecture Series. Sponsored by the National Biodiesel Foundation through the Triangle Clean Cities Coalition, Goldsboro, Gaston, and Pittsboro, NC Fall 2007
- Basics of Biodiesel Production and Fuel Quality for Agricultural Producers I-day course. Sponsored by the National Center for Appropriate Technology. North Carolina State University, Raleigh, NC. March 2006.
- In-depth Biodiesel Production, Use and Plant Design Workshop 5-day Intensive Workshop. Coordinator and Lead Instructor. Solar Energy International. June 2005, May 2006, Oct. 2006.

Publications

Xiaohu Fan, Rachel Burton, Creg Austic, "Enzymatic Conversion of Brown Grease to Biodiesel in a Solvent-free Medium", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 2010.

R. Burton. Market Analysis of Glycerol Carbonate for the Biofuels Center of North Carolina. March 2010.

Xiaohu Fan, Rachel Burton and Greg Austic. "Conversion of degummed soybean oil to biodiesel-optimization of degumming methods and evaluation of fuel properties". International Journal of Green Energy, 7: 593-599, 2010.

Rachel Burton, Xiaohu Fan and Greg Austic, "Evaluation of Two-step Reaction and Enzyme Catalysis Approaches for Biodiesel Production from Spent Coffee Grounds", International Journal of Green Energy, 7: 530-536, 2010.

Xiaohu Fan, Rachel Burton and Greg Austic, "Preparation and Characterization of Biodiesel Produced from Fish Oil", Chemistry and Technology of Fuels and Oils, 46(5): 287-293, 2010.

Xiaohu Fan, Rachel Burton and Yongchang Zhou, "Glycerol (Byproduct of Biodiesel Production) as a Source for Fuels and Chemicals-Mini Review", The Open Fuels & Energy Science Journal, 3: 17-22, 2010.

Xiaohu Fan, Rachel Burton and Greg Austic, "Preparation and Characterization of Biodiesel Produced from Recycled Canola Oil", The Open Fuels & Energy Science Journal, 2: 113-118, 2009.

Xiaohu Fan and Rachel Burton, "Recent Development of Biodiesel Feedstocks and the Applications of Glycerol: A Review", The Open Fuels & Energy Science Journal, 2:100-109, 2009.

Marc ter Horst, Stephanie Urbin, Rachel Burton, and Christina MacMillan Using proton nuclear magnetic resonance as a rapid response research tool for methyl ester characterization in biodiesel. Lipid Technology February 2009, Vol. 21, No. 2

Real World Experiences from a Small Biodiesel Production Facility. Inform Magazine. September 2007



Name Chief Encented Directors Application
Mailing Address 3 0001 Governors Wive Chipal Ast, NC 2131
Home Address (if different) 1044 Philost Orve, Charl KIINC 2357)
Hame Phone 919-235-1005 Work Phone 919-285-1005
Cell Phone 719-260-1005 Email Address chr. Edom.c.lenc.com
Township of Residence Williams
Are you currently serving on a board or committee in Chatham County? Yes No
If yes, please list all boards and committees on which you currently serve: Chatham Education Foundation
Please list your aducational background, include names of schools and degrees held. BSBA (Bukinss Adherston Kan) from UNC - Chapel 1611
7.
Name of Employer Domicile Realty Build Ex Governor's Chis Realty Beautiful Address of Employer 50201 General Direc Chinal 1211 NC 27517
Address of Employer 50201 General Dine Chipal KII NC 21517
Position Oluner
Please list the names of the civic organizations in which you currently hold membership:
Chapel 1/11 Charber of Commerce, Greater Chapel Hill
Association of Reltons
Explain how your education, knowledge and experience will be an asset to the EDC. I have lived a work of in Chithan County for 14 years
All of my bounded as but a Chitha Courty

P.O. Box 1627 • 964 East Street + Pittsboro, NC 27312 919-542-8274 • info@chathamedc.org • www.chathamedc.org maturally innovative

Describe your vision for economic development in Chatham County.
I would like to see more employed in Chitain County to
not retiles to Chithing County, Currelly too may of
our residents dien out of the county to go to work
and to spend Their retail dellars.
Is there a particular aspect of economic development that interests you? Explain how you
would like to be involved.
I would like to be incheed in any project that helps
attract new residents them businesses to our country (the
two go hand in hand).
Demographic information (OPTIONAL) We ask your help in assuring the diversity of membership on our boards and committees. This section is optional, and you may leave it blank.
Gender: Dividale Female
Date of Birth $\frac{4/20/96}{}$
Ethnic Background
White, non-Hispanic
☐ Asian or Pacific Islander ☐ Native American ☐ Other, Specify:
Please send completed application to:
Chatham Scanamie Bayaloriment Corneration



Board of Directors Application Robert A. Enders. Jr. Mailing Address 48 Wickham Dr. Pittsboro, NC 27312 Home Address (if different) Work Phone (919) 799-4001 Home Phone Cell Phone (336) 552-6263 Email Address renderse chatham hospital.org Township of Residence Are you currently serving on a board or committee in Chatham County? Ne If yes, please list all boards and committees on which you currently serve: United Way of Chatham County Please list your educational background. Include names of schools and degrees held. University of Virginia - B.A. Biology Virginia Commonwealth University - Masters of Healthcare Administration Name of Employer Chatham Hospital (UNC Health Care System) Address of Employer 475 Progress Blvd, Siler City NC 27344 Position President Please list the names of the civic organizations in which you currently hold membership: Rotary Club a Sila City Explain how your education, knowledge and experience will be an asset to the EDC. I have a master's degree in healthcare administ cation with 30 years experience in the healthcare field. I have been active in community affairs during my working career. I was a board member of the Rockingham County EDC. I have experience in recruiting physicians to rural communities.

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Describe your vision for economic development in Chatham County.
Rural communities must be pro-active and agressive to recruit
industries. They must be as prepared as economically possible to
provide support and assistance to new industries. Existing industry support
and retention is also very important.
Is there a particular aspect of economic development that interests you? Explain how you
would like to be involved.
I am interested in all aspects and would be willing to serve
where needed.
Demographic information (OPTIONAL)
We ask your help in assuring the diversity of membership on our boards and committees. This
section is optional, and you may leave it blank.
Gender: Male
Date of Birth
Ethnic Background
White, non-Hispanic
☐ Asian or Pacific Islander ☐ Native American ☐ Other, Specify:

Please send completed application to:



Name 9605 Framuns
Mailing Address 114 AUTOMN CHASE PHYSSAGS NC 27312
Home Address (if different) (SMC)
Hame Phone 917 - 533 - 415 % Work Phone 603 - 333 - 2753
Cell Phone 63-339-2753 Email Address Jour. Emmirs (3 ATT. NET
Township of Residence PITT 5841
Are you currently serving on a board or committee in Chatham County? Yes (No)
If yes, please list all boards and committees on which you currently serve:
Please list your educational background. Include names of schools and degrees held.
MGA - BADSON COLEGE AS, ACCOUNTING - BENTLEY UNTUENSITY
BS COMPUTED SYSTEMS - BENTLEY UNIVERSITY
Name of Employer Emc Contagarion
Address of Employer 42 Savry St. Proficialist Ma 01748
Position VITECTOR JOLUNDANS MARKETING
Please list the names of the civic organizations in which you currently hold membership:
the state of a second and a second to the EDC
Explain how your education, knowledge and experience will be an asset to the EDC. MY Sites Games Stews Weaking In a Stephen Jahrwergs Company for Silvens.
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BUSINESS PULLEUMS (MARKETING CONSULTING BRINSS DEVELOPMENT IT MARKETING)
SW DESIGN OWN DEVELOPMENT, PRODUCT MANDATONOM.) IN HIGH NICH SEE ATTOMOS
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for 5 years to working in <u>FIDD</u> companies naturally innovative for 5 years to working in <u>FIDD</u> companies naturally innovative (marketing consulting business durctor
for 5 years to working in E100 companies to sciplines (marketing consulting business ductor for 38 years. My knowledge spans multiple business disciplines (marketing consulting business ductor
IT management

Describe your vision for economic development in Chatham County.
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PLAY TO JOE CHATHAM COMMY GION ECONOMICONY MAIS JEGGY THE THEIGHTON.
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Is there a particular aspect of economic development that interests you? Explain how you
would like to be involved.
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Demographic information (OPTIONAL) We ask your help in assuring the diversity of membership on our boards and committees. This
section is optional, and you may leave it blank.
Gender: K Male ☐ Female
Date of Birth $\frac{1\sqrt{i2/55}}{}$
Ethnic Background
White, non-Hispanic
☐ Asian or Pacific Islander ☐ Native American ☐ Other, Specify:
Please send completed application to:
Chatham Economic Development Corporation Attn: Dianne Reid PO Box 1627, Pittsboro, NC 27312

Doug Emmons, Director, Solutions Marketing & SAP Global Solutions, EMC Corporation



Mr. Emmons has over thirty years experience with IT consulting, IT management, business applications software development, software product management, alliance and channel management, and solutions marketing. He has been working with SAP for the past 13 years. As global solutions practice lead, Mr. Emmons helps direct EMC's SAP solutions strategy, and oversees worldwide field and partner enablement programs and strategic sales support.

Prior to EMC, Mr. Emmons served as Director, Partner Programs at Compaq Computer where he established Compaq's Giobal Consultants and System Integrators program for SAP enterprise solution sales. Prior to Compaq, he held senior positions in business development, product management, and it management at Digital Equipment. Mr. Emmons started his career working at a start-up software company for five years where he designed, developed, and product managed financial applications software. Mr. Emmons has completed graduate work towards a MSIT degree from Bentley University and holds a MBA from Babson College, and both a B.S. in Computer Systems and an A.S. in Accounting from Bentley University in Massachusetts.



Board of Directors Application
Name Pat Richardson
Mailing Address 201-A McGregor Drive Chapel Hill NC 27574
Home Address (if different)
Home Phone 919-869-7097 Work Phone 919-642-6893
Cell Phone 919-357-849 Email Address Prichardson agalloway Mage, con
Township of Residence <u>Nange</u>
Are you currently serving on a board or committee in Chatham County? Yes No
If yes, please list all boards and committees on which you currently serve:
Petine NC Steering Committee
Chatham Chamber of Converce
Please list your educational background. Include names of schools and degrees held.
US Army-Personnel Management-Ft Benjamin Harrison Association of Fundraising Professionals, Hospitality Management
Name of Employer Galloway Ridge at Fearington Hillor
Address of Employer 3000 Gallaray Ridge Pitk boro NE 27312
Position Director of Community Relations
Please list the names of the civic organizations in which you currently hold membership:
Alile Chamber Cary Manua of Commerce
Carolina Club, Chapel Hill Chamber of Commerce
Explain how your education, knowledge and experience will be an asset to the EDC.
Furdraising, development, people skills, sales, nonfrofit
management are all valued exillarlear being to the
Table. My years in all the industries and contacts are an
asset if want to Share with the EDC team.

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Describe your vision for economic development in Chatham County.
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small humes owners. I believe their is apportunity for
In the in our commanity and they can compliment eachother.
Bur local is Ken aswell and much reeded collaborative
e Clasta.
Is there a particular aspect of economic development that interests you? Explain how you
would like to be involved.
of believe in the continous point of en community
for trusters development, both small and large, and
the Services of the associated with them . Grounding gold in
our community is ker, to our economy and generations to
Come. Our youth ared our future however without opouth
Demographic information (OPTIONAL)
We ask your help in assuring the diversity of membership on our boards and committees. This
section is optional, and you may leave it blank.
Gender: Male Female
1/13/10/1
Date of Birth
Ethnic Background
☐ White, non-Hispanic ☐ African-American ☐ Hispanic
☐ Asian or Pacific Islander ☐ Native American ☐ Other, Specify:

Please send completed application to: