

ADVISORY COMMITTEE APPLICATION FOR BOARD APPOINTMENT

<p>It is the applicant's responsibility to keep the information on this form current. To advise the County of any changes please contact Christine Coble by telephone at 606-5300 or by e-mail at CobleC@leoncountyfl.gov</p> <p style="text-align: center;">Applications will be discarded if no appointment is made after two years.</p>		
Name: Scott Hannahs		Date: 1/5/2009
Home Phone:(850)668-0118	Work Phone:(850)644-0216	Email:sth@curg.org
Occupation:Research Physicist		Employer:National High Magnetic Field Laboratory
<p>Please check box for preferred mailing address.</p> <p>Work Address:NHMFL. 1800 E. Paul Dirac Dr City/State/Zip: Tallahassee, FL 32310</p>		
<p><input checked="" type="checkbox"/> Home Address: 5051 Quail Valley Rd. City/State/Zip: Tallahassee, FL 32309</p>		
<p>Do you live in Leon County? <input checked="" type="checkbox"/> Yes No If yes, do you live within the City limits? Yes <input checked="" type="checkbox"/> No</p> <p>Do you own property in Leon County? <input checked="" type="checkbox"/> Yes No If yes, is it located within the City limits? Yes <input checked="" type="checkbox"/> No</p>		
For how many years have you lived and/or owned property in Leon County? <u>15</u> years		
<p>Are you interested in serving on any specific Committee(s)? If yes, please indicate your preference</p> <p>1st Choice: <u>Science Advisory Committee</u> 2nd Choice: _____</p>		
<p>If not interested in any specific Committee(s), are you interested in a specific subject matter? If yes, please check those areas in which you are interested, or describe other areas not listed:</p> <p>Human Services __ Housing __ Health Care __ Science <input checked="" type="checkbox"/> Library Services __ Growth Management __ Tourist Development __ Transportation __ Bicycle/Pedestrian __ Parks & Recreation __ Code Enforcement __ Other Areas _____</p>		
<p>Have you served on any previous Leon County committees? <input checked="" type="checkbox"/> Yes No</p>		
<p>If Yes, on what Committee(s) have you served? <u>Blue Print Capital Circle Southwest Citizen Advisory</u> <u>Communication Tower Ordinance Committee</u> <u>Land Use Regulation User Committee</u></p>		
<p>How many days per month would you be willing to commit for Committee work? 1 <input checked="" type="checkbox"/> 2 to 3 4 or more</p> <p>And for how many months would you be willing to commit that amount of time? 2 3 to 5 <input checked="" type="checkbox"/> 6 or more</p> <p>What time of day would be best for you to attend Committee meetings? <input checked="" type="checkbox"/> Day <input checked="" type="checkbox"/> Night</p>		

(OPTIONAL) Leon County strives to meet its goals, and those contained in various federal and state laws, of maintaining a membership in its Advisory Committees that reflects the diversity of the community. Although strictly optional for Applicant, the following information is needed to meet reporting requirements and attain those goals.

Race: Caucasian African American Hispanic Asian Other
Sex: Male Female Age: 55 Disabled? Yes
 No

Persons needing a special accommodation to participate in an Advisory Committee should contact Christine Coble by telephone at 606-5300 or e-mail at CobleC@mail.co.leon.fl.us

In the space below briefly describe or list the following: any previous experience on other Committees; your educational background; your skills and experience you could contribute to a Committee; any of your professional licenses and/or designations and indicate how long you have held them and whether they are effective in Leon County; any charitable or community activities in which you participate; and reasons for your choice of the Committee indicated on this Application. Please attach your resume, if one is available.

I have been actively engaged in citizen and environmental activism in Leon County for over 10 years. I helped found and am currently chair of Citizens United for Responsible Growth.

Earned a Ph.D. in experimental physics and I have a broad knowledge of physical phenomena and their effects on the environment. This includes lectures on effects of low frequency EMF radiation effects. I also have a strong background in energy consumption and production. I am responsible for the main power supplies at the Magnet Lab and have an intimate knowledge of electric power production and use in Leon County. I am currently on the CONA forum on technical and environmental aspects of Biomass Gasification process.

I am an internationally known physicist and a director at the National High Magnetic Field Lab (see attached vita). Further I am a life long environmental advocate applying the rational scientific method to environmental policy.

References (you must provide at least one personal reference who is not a family member):

Name: Greg Boebinger, Directory National High Magnetic Field Lab Telephone: (850) 644-0851

Address: 1800 E. Paul Dirac Dr., Tallahassee, FL 32310

Name: Nancy Miller Telephone: (850) 445-4026

Address: 4437 Shannon Lakes, Tallahassee FL 32309

IMPORTANT LEGAL REQUIREMENTS FOR ADVISORY COMMITTEE MEMBERSHIP

AS A MEMBER OF AN ADVISORY COMMITTEE, YOU WILL BE OBLIGATED TO FOLLOW ANY APPLICABLE LAWS REGARDING GOVERNMENT-IN-THE-SUNSHINE, CODE OF ETHICS FOR PUBLIC OFFICERS, AND PUBLIC RECORDS DISCLOSURE. THE CONSEQUENCES OF VIOLATING THESE APPLICABLE LAWS INCLUDE CRIMINAL PENALTIES, CIVIL FINES, AND THE VOIDING OF ANY COMMITTEE ACTION AND OF ANY SUBSEQUENT ACTION BY THE BOARD OF COUNTY COMMISSIONERS. IN ORDER TO BE FAMILIAR WITH THESE LAWS AND TO ASSIST YOU IN ANSWERING THE QUESTIONS BELOW, YOU MUST COMPLETE AN ORIENTATION BEFORE YOUR APPLICATION IS DEEMED COMPLETE.

Have you completed the Orientation? Yes No
Are you willing to complete a financial disclosure form, if applicable? Yes No
Will you be receiving any compensation that is expected to influence your vote, action, or participation on a Committee? Yes No If yes, from whom? _____
Do you anticipate that you would be a stakeholder with regard to your participation on a Committee? Yes No
Do you know of any circumstances that would result in you having to abstain from voting on a Committee due to voting conflicts? Yes No If yes, please explain _____
Do you or your employer, or your wife or child or their employers, do business with Leon County? Yes No
If yes, please explain _____
Do you have any employment or contractual relationship with Leon County that would create a continuing or frequently recurring conflict with regard to your participation on a Committee? Yes No
If yes, please explain _____

All statements and information provided in this application are true to the best of my knowledge.

Signature: Scott Hamrick

Please return Application to Christine Coble, Agenda Coordinator
Leon County Board of County Commissioners
301 South Monroe Street
Tallahassee, FL 32301

National High Magnetic Field Lab, 1800 E. Paul
 Dirac Dr.
 Tallahassee, FL 32310
 (850) 644-0216
 Email: sth@magnet.fsu.edu

Education and Training:

- 1987 University of California, Los Angeles, California
 Ph.D. – Physics (Thesis: Study of Two-Dimensional Ion Resonances Under the Surface of Liquid Helium).
- 1976 University of California, Los Angeles, California
 M.S. – Physics
- 1975 Massachusetts Institute of Technology, Cambridge, Massachusetts
 B.S. – Physics (Thesis: Investigation of Small Oscillations for the Bag Model of Hadrons)
 B.S. – Mathematics (specialization in applied mathematics)

Research and Professional Experience:

- 9/2007→ Present Director of DC Fields, Instrumentation and Facilities, National High Magnetic Field Lab – Tallahassee, FL
- 9/1993→ 9/2007 Head of User Instrumentation, National High Magnetic Field Lab – Tallahassee, FL
- 10/89→ 8/93 Instrumentation Physicist, Francis Bitter National Magnet Laboratory – MIT, Cambridge MA
- 9/88→ 9/89 Assistant Professor, Boston University, Boston MA / Visiting Scholar Francis Bitter National Magnet Laboratory – MIT, Cambridge MA
- 9/87→ 9/88 Postdoctoral Researcher, Boston University, Boston MA / Francis Bitter National Magnet Laboratory – MIT, Cambridge MA
- 9/82→ 9/87 Research Assistant UCLA Dept. of Physics / Low Temperature Lab
- 9/78→ 6/82 Teaching Associate UCLA Department of Physics
- 9/75→ 6/77
- 9/77→ 4/78 Staff Researcher, M.I.T. Department of Earth and Space Sciences
- 9/74→ 8/75

Professional Societies:

Member American Physical Society
Executive Committee, APS Instrumentation and Measurement Science Topical Group 1998-2003
Member APS Magnetism and Applications Topical Group

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Significant Publications:

Torikachvili M. S., Jia S., Mun E. D., **Hannahs S. T.**, Black R. C., Neils W. K., Dinesh Martien, Budko S. L., and Canfield P. C., "Six closely related $\text{YbT}_2\text{Zn}_{20}$ ($T = \text{Fe, Co, Ru, Rh, Os, Ir}$) heavy fermion compounds with large local moment degeneracy", Proc. National Academy of Sciences for the United States 104, 9960-9963 (2007)

Wilke RHT, Bud'ko SL, Canfield PC, Farmer J, **Hannahs S. T.**, "Systematic study of the superconducting and normal-state properties of neutron-irradiated MgB_2 " Phys. Rev. B 73, 134512 (2006)

R.H.T. Wilke, S.L. Bud'ko, P.C. Canfield, D.K. Finnemore, Raymond L. Suplinskas, **Hannahs S. T.**, "Systematic Effects of Carbon Doping on the Superconducting Properties of $\text{Mg}(\text{B}_{1-x}\text{C}_x)_2$ " Phys. Rev. Lett. 92, 217003-1-217003-4 (2004)

Radovan HA, Fortune NA, Murphy TP, **Hannahs S. T.**, Palm EC, Tozer SW, Hall D, "Magnetic enhancement of superconductivity from electron spin domains", Nature 425 (6953), 51-55 (2003)

Hannahs S. T., N. A. Fortune, "Heat Capacity Cell for Angular Measurements in High Magnetic Fields", Physica B 329, 1586-1587 Part 2 (2003), *Proceedings of the 23rd International Conference on Low-Temperature Physics (LT23)*, Hiroshima, Japan, 20-27 Aug 2002

W. Kang, J. B. Young, **Hannahs S. T.**, E. Palm, K. L. Campman, A. C. Gossard, "Evidence for a Spin Transition in the $\nu = 2/5$ Fractional Quantum Hall Effect", Phys. Rev. B 56, 12776-9 (1997).

H. W. Jiang, C. E. Johnson, K. L. Wang and **Hannahs S. T.**, "Observation of a Magnetic-Field-Induced Delocalization: Transition From Anderson Insulator to Quantum Hall Conductor", Phys. Rev. Lett. 71, 1439-1442 (1993).

W. W. Kang, P. M. Chaikin, **Hannahs S. T.**, "Toward a Unified phase Diagram in $(\text{TMTSF})_2\text{X}$ ", Phys. Rev. Lett. 70, 3091 (1993).

M. Tokumoto, A. G. Swanson, J. S. Brooks, C. C. Agosta, **Hannahs S. T.**, N. Kinoshita, H. Anzai, and J. R. Anderson, "Direct Observation of Spin-Splitting of the Shubnikov-de Haas Oscillations in a Quasi-Two-Dimensional Organic Conductor $(\text{BEDT-TTF})_2\text{-KHg}(\text{SCN})_4$ ", J. Phys. Soc. Jpn. 59, 2324 (1990).

Hannahs S. T., J. S. Brooks, W. Kang, L. Y. Chiang, and P. M. Chaikin, "Quantum Hall Effect in a Bulk Crystal", Phys. Rev. Lett. 63, 1988 (1989).