

November 2, 2010

Grainger Search Committee
University of Wisconsin
Astronomy Department
475 N. Charter Street
Madison, WI 53706
USA

To whom it may concern:

Please find attached my 2011 Grainger Fellowship application titled “Mapping Galaxy Cluster Magnetic Fields: An Observational Study of ICM Physics.” I feel the University of Wisconsin-Madison (UW) is an excellent fit for my research goals and the professional environment will benefit from my addition. The UW Astronomy and Physics Departments, Center for Plasma Theory & Computation, and Center for Magnetic Self-Organization are home to numerous experts in one, or several, of the science areas discussed in this proposal (*e.g.* X-ray/radio/polarization studies of galaxy clusters, AGN feedback, computational modeling, high-energy astronomy, plasma physics). Their experience with the latest techniques in all these disciplines will be invaluable to the success of my proposed work. In addition, my expertise in X-ray and radio astrophysics, and mature collaborations with groups in both research areas, has prepared me for the rigors of the program proposed in this application.

Along with this letter are my curriculum vitae, a list of publications, and a statement of my proposed research program. Letters of recommendation from Dr. Megan Donahue, Dr. Mark Voit, and Dr. Brian McNamara should arrive under separate cover. Please do not hesitate to contact me if there is any further information I can provide as you review my application. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Ken Cavagnolo", written over a light gray rectangular background.

Kenneth W. Cavagnolo