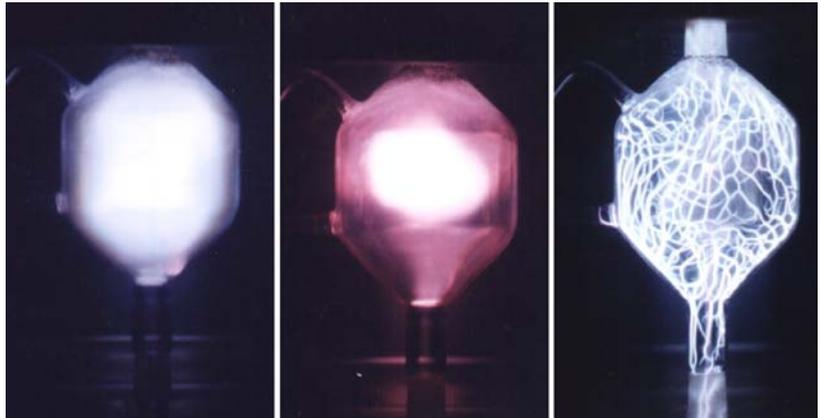


**ANNOUNCEMENT AND CALL FOR PAPERS**  
**4<sup>th</sup> Triennial Special Issue of the IEEE Transactions on Plasma Science**  
**IMAGES IN PLASMA SCIENCE (February 2005)**

Visualization of experimental data and computer simulations is a critical aspect of plasma science. Innovative images convey vast amounts of information in a single or sequence of images as well as often being works of art in their own right. The IEEE Transactions on Plasma Science (TPS) will have the 4<sup>th</sup> Triennial Special Issue of “**IMAGES IN PLASMA SCIENCE**” to be published February 2005. The intent of this issue is to present unique multidimensional experimentally or computationally generated images of plasma phenomena which provide insight to the physics of the process and which are aesthetically pleasing. Examples of images include, but are not restricted to:

- Laser induced fluorescence of radicals
- Electron/ion fluxes in complex geometries
- Streamers
- Flashover in pulse power plasmas
- Plasma induced emission
- E-beam or ion-beam propagation
- Electromagnetic fields in plasmas
- Plasma-surface interactions
- Electron/ion energy distributions
- “Naturally” occurring plasmas
- Laser propagation through plasmas
- Fusion reactor concepts
- Electron-atom or molecule interactions



Ref: M. J. Shelton and G. C. Stevens, Trans. Plasma Science 30, 184 (2002)

The articles will be absolutely limited to **2 journal pages**. A recommended format has the header (title, authors, affiliation, abstract), full page image(s) and figure caption(s) on the first page, with text and references on the second page. The text should describe the physics portrayed by the image and how the image was generated (i.e., description of the model or experiment). Carefully layout your paper to insure that the images and text fit and are well displayed in the 2-page limit. To aid with your planning a Microsoft Word document with the approximate format of TPS pages can be obtained from the website listed below and will be required as part of the submission. Contributors are encouraged to examine past Special Issues of Images on Plasma Science (February 1996, 1999, 2002) as a guide for format and style. We also encourage submissions in color, although there will be an additional page charge.

**The deadline for submissions is 1 July 2004. Submissions must be in electronic form. See:**

<http://uigelz.ece.uiuc.edu/tps-images/> for this announcement

<http://uigelz.ece.uiuc.edu/tps-images/submission-instructions.html> for submission instructions

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