

## ANNOUNCEMENT AND CALL FOR PAPERS

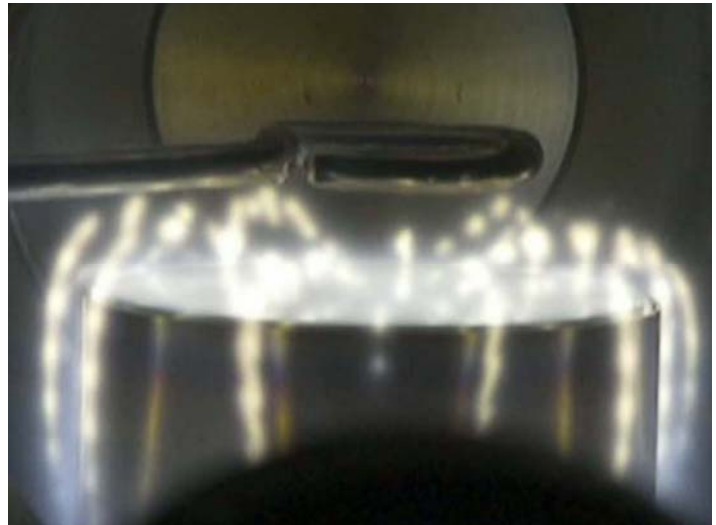
### 6<sup>th</sup> Triennial Special Issue of the IEEE Transactions on Plasma Science

## IMAGES IN PLASMA SCIENCE (August 2011)

Visualization of experimental and computed data is an increasingly important aspect of plasma science. Compelling images convey vast amounts of information in a single or sequence of images. These images are often works of art in their own right. In acknowledgment of the importance of imagery the IEEE Transactions on Plasma Science (TPS) will have the 6<sup>th</sup> Triennial Special Issue of “**IMAGES IN PLASMA SCIENCE**” to be published August 2011. This issue will present unique 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:

- Multidimensional diagnostic data
- Complex charged particle fluxes
- Streamers
- Flashover in pulse power plasmas
- Plasma induced emission
- E-beam or ion-beam propagation
- Electromagnetic fields in plasmas
- Plasma-surface interactions
- “Naturally” occurring plasmas
- Laser propagation through plasmas
- Fusion reactor concepts
- Electron-atom or molecule interactions
- Plasma explosive behavior

Ref: J. Schulze, D. Luggenholscher, and U. Czarnetzki, Trans. Plasma Science **36**, 1402 (2008)



The published articles **will be 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 are well displayed in the 2-page limit. To aid with your planning Microsoft Word templates can be obtained from the website listed below. In addition to the standard manuscript format required for submissions to TPS, *a 2-page formatted version of your articles is also required*. We also require six recommended reviewers. Contributors are encouraged to examine past Special Issues of Images on Plasma Science (February 1996, 1999; 2002; April 2005, August 2008) as guides for format and style. We encourage submissions in color although there will be an additional page charge.

**The deadline for submissions is 1 December 2010. Contributions must be submitted in electronic form through the IEEE website as described in the submission instructions.**

**This announcement:** <http://uigelz.eecs.umich.edu/tps-images/index.html>

**Submission instructions:** <http://uigelz.eecs.umich.edu/tps-images/submission-instructions.html>

Please direct questions to the Guest Editors:

Prof. Mark J. Kushner, Dr. Natalia Y. Babaeva and Dr. Julia Falkovitch-Khain  
University of Michigan, Department of Electrical Engineering and Computer Science  
1301 Beal Ave., Ann Arbor, MI 48109 USA  
[images@eecs.umich.edu](mailto:images@eecs.umich.edu)