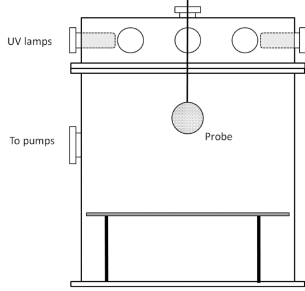


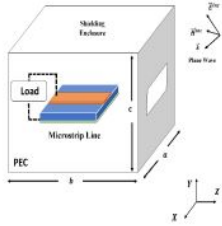
## Features in This Issue



### Sheath Around a Spherical Probe in a Photoelectron Environment

by Joseph I. Samaniego, Xu Wang, and Scott Robertson

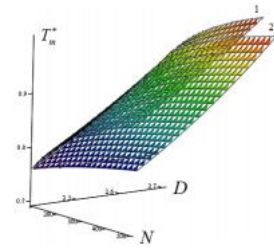
[Read More](#)



### Predicting the Effects of HPEM Radiation on a Transmission Line Terminated With Linear/Nonlinear Load in Perforated Metallic Enclosure Using FDDM/VF

by Ali Kalantarnia, Asghar Keshtkar, and Ayaz Ghorbani

[Read More](#)



### Melting Point of the Crystal-Like Structures in the Heterogeneous Smoky Plasma--Fractal Geometry and Spectral Approximations

by G. S. Dragan, V. V. Kutarov, and K. V. Kolesnykov

[Read More](#)

IEEE TRANSACTIONS ON  
**PLASMA  
SCIENCE**

A PUBLICATION OF THE IEEE NUCLEAR AND PLASMA SCIENCES SOCIETY

FEBRUARY 2020 VOLUME 48 NUMBER 2 ITPSBD (ISSN 0093-3813)

PART OF TWO PARTS

SPECIAL ISSUE ON PLASMA-ASSISTED TECHNOLOGIES FEBRUARY 2020

Special Issue on Plasma-Assisted Technologies February 2020	179
Sheath Around a Spherical Probe in a Photoelectron Environment	181
Predicting the Effects of HPEM Radiation on a Transmission Line Terminated With Linear/Nonlinear Load in Perforated Metallic Enclosure Using FDDM/VF	185
Melting Point of the Crystal-Like Structures in the Heterogeneous Smoky Plasma--Fractal Geometry and Spectral Approximations	191
Sheath Around a Spherical Probe in a Photoelectron Environment	181
Predicting the Effects of HPEM Radiation on a Transmission Line Terminated With Linear/Nonlinear Load in Perforated Metallic Enclosure Using FDDM/VF	185
Melting Point of the Crystal-Like Structures in the Heterogeneous Smoky Plasma--Fractal Geometry and Spectral Approximations	191

## IEEE Transactions on Plasma Science

A publication of the IEEE Nuclear and Plasma Sciences Society.

[VIEW THE TABLE OF CONTENTS](#)

---

[T-PS Home](#)

[T-PS in IEEE Xplore](#)

[Early Access](#)

[Manuscript Submission](#)

---

[View the full series on IEEE Xplore.](#)

---



© {{my.copyright year}} IEEE– All rights reserved.

[Website](#) | [Privacy Policy](#) | [Unsubscribe](#)