A post-doctoral research fellow position in the field of High-Power Microwaves and Applied

Electromagnetics is available at the Department of Electrical and Computer Engineering of the

University of Wisconsin-Madison. The desired qualifications for the successful candidate

include:

1) Ph.D. degree in Electrical Engineering, Applied Physics, or other closely-related areas.

2) Research experience in one or more of the following areas: High-power microwaves,

plasma physics, RF and microwave system design, vacuum electronics, and

RF/microwave induced plasma generation.

3) Experience in performing high-frequency experiments in the laboratory. Familiarity with

test and measurement instruments such as vector network analyzers, spectrum analyzers,

power meters, high-power microwave sources and/or amplifiers, high-frequency

oscilloscopes and digitizers, etc.

4) Familiarity with performing three-dimensional electromagnetic and/or particle in cell

(PIC) simulations. Working knowledge of commercial software packages such as CST

Microwave Studio, CST Particle Studio, Vorpal, or similar software packages is highly

desired.

We are particularly interested in self-motivated individuals who have the ability to work

independently and can work well both individually and as part of a larger team. Interested

applicants should send their latest CV with the names and contact information of at least three

references to Professors John H. Booske ([jhbooske@wisc.edu](mailto:jhbooske@wisc.edu)) and Nader Behdad

([behdad@wisc.edu](mailto:behdad@wisc.edu)) via email.

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ranked as one of the top cities in the nation with the highest quality of life.