

Positions Available

FACULTY AND POSTDOCTORAL RESEARCH POSITIONS

**North Carolina State University
Center for Advanced
Electronic Materials Processing**

This NSF Engineering Research Center is an interdisciplinary academic/research program involving faculty, researchers and students from the Departments of Electrical and Computer Engineering, Materials Science and Engineering, Physics, Chemical Engineering and Mechanical Engineering. The goal is to develop processing technology and equipment capability for the fabrication of advanced submicron device structures. Emphasis is on the development of process module clusters for carrying out multiple process steps in an in-situ environment. Tenure-track faculty positions and postdoctoral research positions are available for qualified applicants. The faculty appointments will be in one of the participating departments, and the successful applicants will be expected to be actively involved in the academic and research programs of the Center. The areas of interest include plasma processing, sensors, metrology, gas dynamics/surface reactions, process monitoring, process automation and control. An earned doctorate or equivalent industrial research experience is required. Interested applicants should send resumes and the names, addresses and telephone numbers of three references to: Dr. N.A. Masnari, Director, Center for Advanced Electronic Materials Processing, North Carolina State University, Box 7911, Raleigh, North Carolina 27695.

North Carolina State University is an Affirmative Action/Equal Opportunity Employer.

**GRADUATE RESEARCH
APPOINTMENTS
IN MATERIALS SCIENCE**

Students can receive appointments in areas of photovoltaics, superconducting films, corrosion in metals and ceramics, optical properties of materials, and other areas of materials science. Students carry out studies at WSU Tri-Cities. Research is done at Battelle Laboratories, Westinghouse Laboratories or on campus. Contact Prof. Larry Olsen, Washington State University, 100 Sprout Road, Richland, WA 99352.

Equal Opportunity/Affirmative Action Employer.

Advertisers in this issue:

Brimrose	back cover
Cahn Instruments	3
Digital Instruments	16
Elsevier Science Publishers	9
Gem Dugout	8
High Voltage Engineering Europa	inside front cover
Massachusetts Microelectronics Center	13
Materials Research Laboratory	57
Sputtered Films	11
UHV Instruments	inside back cover
Voltaix	17

MRS Bulletin-1990 Advertising Rates

Rates

Classified: Column inch (includes composition): \$95

Display (Black and White):

Ad Size	1x	4x	6x	12x
1 page	\$805	\$775	\$755	\$735
2/3	685	665	655	645
1/2 island	645	630	620	610
1/2	600	585	575	565
1/3 island	555	540	530	520
1/3	510	495	485	475
1/4	460	445	435	425
1/4 island	450	435	425	415
1/6	390	375	365	355

Standard 2nd Color add \$325

Metallic 2nd Color add \$425

Matched 2nd Color add \$375

Four Color Process add \$650

The MRS BULLETIN can accommodate special production requirements. Contact MRS for details.

Issue

Issue	Closing Date
May	April 5, 1990
June	May 4, 1990
July	June 6, 1990
August	July 6, 1990
September	August 6, 1990
October	September 6, 1990
November	October 4, 1990
December	November 6, 1990

Advertising Contact

Mary E. Kaufold
MRS BULLETIN
Materials Research Society
9800 McKnight Road
Pittsburgh, PA 15237
(412) 367-3036
Fax: (412) 367-4373