

**ECH CONTROL SYSTEM FOR NEW 1 MW
110 GHz GYROTRONS AT DIII-D***

A.L. Wright, J. Tooker, J.C. Allen, W.P. Cary, and T.E. Harris
General Atomics, San Diego, California 92186-9784

Two new Varian 1 MW 110 GHz gyrotrons are currently being developed and are due to be tested at General Atomics later this year. A new cost-effective gyrotron control system to operate multiple gyrotrons simultaneously is being developed. Different systems and combinations considered include CAMAC, PLC, VXIbus, and a local computer. This paper will explain the decision making processes used in choosing and implementing the new control system architecture.

*Work supported by U.S. DOE Contract DE-AC03-89ER51114.

**ABSTRACT SUBMISSION FORM
16th IEEE/NPSS Symposium on
Fusion Engineering**

September 30 — October 5, 1995
Champaign, Illinois, USA

Paper Title: **ECH Control System for
New 1 MW 110 GHz Gyrotrons At
DIII-D**

Technical Topic Number: 10

Keywords:

- (1)
- (2)
- (3)

- If an oral presentation is requested (rather than the standard poster presentation) indicate here
- Enter my paper in the "Distinguished Paper" competition. (Requires August 30 submission of full paper)

Submitted by:

Signature

Typed Name: A.L. Wright

Institution/Company General Atomics

Address P.O. Box 85608

City, Province, State/Postal Code
San Diego, California 92186-9784

Country USA

Phone: (619) 455-4147

Fax: 619 455-4190

E-mail: wright@gav.gat.com