



**AD-A256 388**



TATSUO ITOH  
TRW ENDOWED CHAIR

ELECTRICAL ENGINEERING DEPARTMENT  
SCHOOL OF ENGINEERING AND APPLIED SCIENCE  
405 HILGARD AVENUE  
LOS ANGELES, CALIFORNIA 90024-1594  
TELEPHONE: (310) 206-4820  
FAX: (310) 206-4819

October 7, 1992

Dr. Arthur K. Jordan  
Code 1114SE  
Electronics Division  
Department of the Navy  
Office of Naval Research  
800 North Quincy Street  
Arlington, VA 22217-5000

**DTIC**  
**ELECTE**  
**OCT 20 1992**  
**S** **C** **D**

Dear Dr. Jordan:

Enclosed is the Annual Report consisting of the research description and the standard publication report.

Sincerely,

Tatsuo Itoh

encl. (3 copies)

- cc. Administrative Grants Officer (1 copy)
- Director, NRL (1 copy)
- ✓ DTIC (2 copies)

*[Faint, illegible text]*



**Scientific Personnel**

T. Itoh, Principal Investigator, Professor of Electrical Engineering  
T.-W. Huang, Graduate Research Assistant  
Y. Liu, Graduate Research Assistant

**List of Publications, Presentations and Honors**

Submitted under separate cover.

**OFFICE OF NAVAL RESEARCH  
PUBLICATION/PATENTS/PRESENTATION/HONORS REPORT  
for  
1 Oct 91 through 30 Sept 92**

R&T Number:

Contract/Grant Number:

Contract/Grant Title:

Principal Investigator:

Mailing Address:

Phone Number (with Area Code):

E-Mail Address:

- a. Number of Papers Submitted to Referred Journal but not yet published: 1
- b. Number of Papers Published in Referred Journals: 3  
(list attached)
- c. Number of Books or Chapters Submitted but not yet Published: 0
- d. Number of Books or Chapters Published: 0  
(list attached)
- e. Number of Printed Technical Report & Non-Referred Papers: 0  
(list attached)
- f. Number of Patents Filed: 0
- g. Number of Patents Granted: 0  
(list attached)
- h. Number of Invited Presentations at Workshops or Prof. Society Meetings: 9
- i. Number of Presentation at Workshop or Prof. Society Meetings: 4
- j. Honors/Awards/Prizes for Contract/Grant Employees:  
(list attached, this might include Scientific Soc. Awards/Offices,  
Promotions, Faculty Award/Offices etc.) 2
- k. Total number of Graduate Students and Post-Docs Supported at least 25%, this  
year on this contract, grant:  

Grad Students	<u>2</u>	and Post Docs	<u>0</u>
---------------	----------	---------------	----------

  

[	Grad Student Female	<u>0</u>
][	Grad Student Minority	<u>0</u>
][	Grad Student Asian e/n	<u>2</u>
][	Post-Doc Female	<u>0</u>
][	Post-Doc Minority	<u>0</u>
][	Post-Doc Asian e/n	<u>0</u>
- How many of each are females or minorities?  
(These 6 numbers are for ONR's EEO/Minority  
Reports; minorities include Blacks, Aleuts  
Amindians, etc and those of Hispanic or  
Asian extraction/nationality. This Asians  
are singled out to facilitate meeting the  
varying report semantics re "under-  
represented")

## Attachment

b.

"Propagation characteristics of coplanar-type transmission lines with lossy media," IEEE Trans. Microwave Theory and Techniques, Vol.39, No.10, pp.1694-1700, October 1991, (T. Kitazawa and T. Itoh).

"Spectral domain method with entire domain and partial domain basis functions," Asia Pacific Engineering Journal, Vol.1, No.2, pp.93-107, December 1991 (C.-W. Kuo and T. Itoh).

"Pulse propagation in superconducting coplanar striplines," IEEE Trans. Microwave Theory and Techniques, Vol.40, No.3, pp.509-514, March 1992, (O. R. Baiocchi, K.-S. Kong and T. Itoh).

j. T. Itoh was selected as IEEE Distinguished Lecturer for 1992 by IEEE Australian Council.

T. Itoh was Honorary Visiting Professor at Japan Defence Academy in December 1991.