



Not Really Farewell Just an (Electro)Migration

This is my farewell message as Editor of *Interface*. I am relinquishing my editorship in order to fully assume my duties as a vice-president of ECS. I have edited 15 issues of *Interface* including this one featuring the Electrodeposition Division—one for each of the twelve Divisions and one Group; plus two special issues, one in which the 50th anniversary of the transistor was commemorated, and one to celebrate the first five years of *Interface*. I have enjoyed working with all the authors who have contributed to *Interface* and enjoyed learning the latest science and technology of interest to the featured Division/Group. I have learned much about the publishing of a magazine, particularly from Mary Yess, the ECS Director of Publications and *Interface*'s Managing Editor. It is Mary's expertise that makes you want to turn the pages from the stunning cover artwork (from O&Y Design), through the articles, to the back cover. I certainly have had some fun writing these columns.

It seems fitting that my last issue of *Interface* features the Electrodeposition Division. This is a Division in which I have been very involved as an ad hoc member of its Executive Committee for a number of years and as a co-chair of several symposia sponsored by the Division. It's an exciting time for us electroplaters, particularly when you see the type of interesting materials and applications for the "old art" of electrodeposition. The articles in this issue highlight several new developments, such as the electroplating of dual Damascene copper interconnections for integrated circuitry; the electrodeposition of nanostructures such as multilayers, nanowires, and single electron transistors; and use of scanning tunneling microscopy to monitor electrodeposition and even to structure surfaces. As a member of this community, I found the advances made by my colleagues to be astounding. It's indeed an exciting and surprising time for electrodeposition!

Now the excitement comes from learning my new job as an ECS vice-president. Presently, I am actively involved in the planning of the two ECS meetings over which I will preside: the next joint meeting with ISE in San Francisco in September 2001 and the Centennial meeting in May 2002 in Philadelphia. So my face may yet appear in *Interface* in Meeting Highlights or in 2001 in the "From the President" column.

This is not a farewell really, but more of an "electromigration" for me. As I leave my editorship, my friends and other members of the ECS need not fear finding something they said to me in my column in *Interface*! This doesn't preclude passing on those items to the new Editor of *Interface*. I know the members of the Society will join me in welcoming the new Editor, Krishnan "Raj" Rajeshwar; and I hope he enjoys the experience as much as I have.

Jan B. Talbot
Editor

The Electrochemical Society *Interface* (USPS 010-327) (ISSN 1064-8208) is published quarterly by The Electrochemical Society, Inc., at 10 South Main Street, Pennington, NJ 08534-2896 USA. Subscription to members as part of membership service; subscription to nonmembers \$40.00 plus \$5.00 for postage outside U.S. Single copies \$5.00 to members; \$10.00 to nonmembers. © Copyright 1999 by The Electrochemical Society, Inc. Periodicals postage at Pennington, New Jersey, and at additional mailing offices. POSTMASTER: Send address changes to The Electrochemical Society, Inc., 10 South Main Street, Pennington, NJ 08534-2896.

The Electrochemical Society is an educational, nonprofit 501(c)(3) organization with more than 7000 scientists and engineers in over 70 countries worldwide who hold individual membership. Founded in 1902, the Society has a long tradition in advancing the theory and practice of electrochemical and solid-state science by dissemination of information through its publications and international meetings.

Published by:

The Electrochemical Society, Inc.
10 South Main Street
Pennington, NJ 08534-2896 USA
Tel (609) 737-1902
Fax (609) 737-2743
E-mail: publications@electrochem.org
ECS Home Page: <http://www.electrochem.org>

Editor: Jan B. Talbot
e-mail: jtalbot@ucsd.edu

Contributing Editor: Vicki Edwards

Managing Editor: Mary E. Yess
Production Manager: Ellen S. Popkin

Advisory Board: Paul Skarstad (*Battery*), Robert G. Kelly (*Corrosion*), Meyya Meyyappan (*Dielectric Science and Technology*), John Dukovick (*Electrodeposition*), George Celler (*Electronics*), Thomas Fuller (*Energy Technology*), Rod Ruoff (*Fullerenes*), John Weidner (*Industrial Electrolysis and Electrochemical Engineering*), Esther Sluzky (*Luminescence and Display Materials*), Franklin A. Schultz, (*Organic and Biological Electrochemistry*), Daniel A. Scherson (*Physical Electrochemistry*), Cynthia J. Bruckner-Lea (*Sensor*)

Publication Committee Chairman:
Eric W. Brooman

Society Officers:

Gerard M. Blom, *President*
Dale Hall, *Vice-President*
Carlton Osburn, *Vice-President*
Jan B. Talbot, *Vice-President*
Robin A. Susko, *Secretary*
William D. Brown, *Treasurer*
Roque J. Calvo, *Executive Director*

Articles published, as well as papers presented before a Society technical meeting, become the property of the Society and may not be published elsewhere in whole or in part without written permission of the Society. Address such requests to the Director of Publications.

Statements and opinions given in The Electrochemical Society *Interface* are those of the contributors, and The Electrochemical Society, Inc. assumes no responsibility for them.

Authorization to photocopy any article for internal or personal use beyond the fair use provisions of the Copyright Act of 1976 is granted by The Electrochemical Society, Inc. to libraries and other users registered with the Copyright Clearance Center (CCC), 222 Rosewood Dr., Danvers, MA 01923. Copying for other than internal or personal use without express permission of The Electrochemical Society, Inc. is prohibited. For reprint information, contact Society Headquarters. The CCC Code for The Electrochemical Society *Interface* is 1064-8208/92 \$3.00+\$0.00.

PRODUCTION NOTES

Design Consultant:
O&Y Design,
Trenton, NJ

Printed by:

Cummings Printing Co.
Hooksett, NH

Advertising:

Paul Cooper
10 South Main Street
Pennington, NJ 08534-2896 USA
Tel (609) 737-1902
Fax (609) 737-2743
E-mail: production@electrochem.org