

## SOCIETY MEMBERS NAMED TO FELLOW GRADE

Election to the grade of IEEE Fellow is one of the highest honors that can be bestowed upon our members by the Institute in recognition of their technical, educational, and leadership achievements. Only a select few IEEE members earn this prestigious honor.

Congratulations to the following Communications Society members for their election to the grade of Fellow of the IEEE. They now join company with a truly distinguished roster of colleagues.

**NIHAT BILGUTAY**



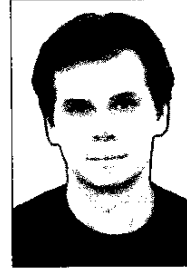
For leadership in engineering education innovation.

**RAY T. CHEN**



For contributions to polymer-based guided devices for optical interconnects.

**SERGE N. DEMIDENKO**



For contributions to electronic testing.

**CHATSCHIK BISDIKIAN**



For contributions to the development, modeling, and analysis of communication protocols and wireless personal area networks.

**EDWIN CHONG**



For contributions to communication networks and discrete event systems.

**ALY ELREFAIE**



For contributions to optical and wireless communication systems.

**DAU-CHYRH CHANG**



For technical leadership in antenna design and measurement systems.

**PHILIP A. CHOU**



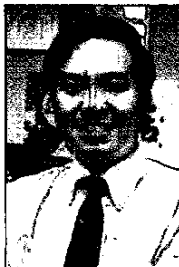
For contributions to variational methods in information theory, signal processing, and compression.

**DEBORAH ESTRIN**



For innovations in scalable network protocols and sensor network research.

**SHIH-FU CHANG**



For contributions to digital video and multimedia technologies.

**CASIMER DECUSATIS**



For contributions to fiber optic data communication systems.

**JAMES FARMER**



For technical leadership in the cable television industry.

# SOCIETY NEWS

## SOCIETY MEMBERS NAMED TO FELLOW GRADE

**JULIE ELIZABETH FOUQUET**



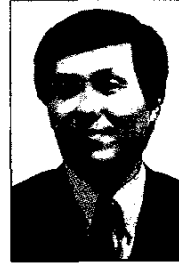
For contributions to optical switch and light-emitting device technologies.

**STEPHEN MARSHALL GOODNICK**



For contributions to carrier transport fundamentals and semiconductor devices.

**BEOMSUP KIM**



For contributions to integrated circuits for high-speed communication systems.

**MINYUE FU**



For contributions to robust control and signal estimation.

**ROBERT ALEXANDER HANNA**



For contributions to the applications of medium voltage adjustable speed drives and power quality.

**HAROLD KIRKHAM**



For leadership in the field of optical measurements for power systems.

**THOMAS EDWARD FUJA**



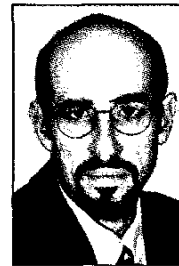
For contributions to error control coding.

**LAJOS HANZO**



For contributions to adaptive wireless communication systems.

**AMOS LAPIDOTH**



For contributions to robust communications under channel uncertainty.

**VINCENT FRANCIS FUSCO**



For contributions to the design of active and self-tracking antenna technology.

**MASAYUKI IZUTSU**



For contributions to integrated optics and broadband guided-wave light modulators.

**HANS-ANDREA LOELIGER**



For contributions to group codes, iterative decoding, and analog implementation of decoders.

**EVAN LEE GOLDSTEIN**



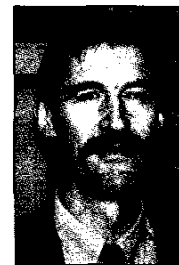
For contributions to optical communications.

**KENNETH JAMES KERPEZ**



For contributions to digital subscriber line technology and standards.

**JEAN-YVES LEBOUDEC**



For contributions to the theory and practice of service guarantees in packet networks.

## SOCIETY NEWS

### SOCIETY MEMBERS NAMED TO FELLOW GRADE

**MICHAEL JAY MARCUS**



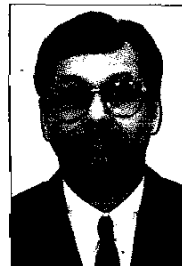
For leadership in the development of spectrum management policies.

**SEIICHI NAMBA**



For contributions to integrated digital broadcasting systems.

**SANJOY PAUL**



For contributions to the design and development of communication network protocols.

**MICHAEL JOSEPH McLAUGHLIN**



For contributions to the development of digital speech coding standards for wireless communications.

**MIKAEL OSTLING**



For contributions to semiconductor device technology and education.

**GIANCARLO PRATI**



For leadership in optical and radio communications.

**YUKOU MOCHIDA**



For contributions to the development and deployment of digital transport systems.

**TAKASHI OHIRA**



For contributions to variable microwave signal processing circuits and antennas.

**S. RAMADORAI**



For leadership in the development of multidisciplinary software solutions.

**KOSO MURAKAMI**



For contributions to switching technologies and systems for broadband communications networks.

**BJORN ERIK OTTERSTEN**



For contributions to antenna signal processing and wireless communications.

**MOHAMAD A. H. SAWAN**



For contributions to implantable medical devices.

**RICHARD M. MURRAY**



For contributions to the theory of nonlinear control and its applications to robotics, flight control, and fluid systems.

**VLADIMIR PARIZHSKY**



For contributions to modem technology and standards development.

**DAVID BARRY SCOTT**



For contributions to CMOS and BiCMOS technology and circuits.

SOCIETY MEMBERS NAMED TO FELLOW GRADE

**M. IBRAHIM SEZAN**



For technical leadership in digital image and video processing.

**MICHAEL G. STRINTZIS**



For contributions to digital filtering, image processing, and coding.

**STUART K. TEWKSBURY**



For contributions to telecommunications and interconnections in high-performance digital systems.

**ASRAR SHEIKH**



For contributions to railroad control systems.

**WIM SWELDENS**



For contributions to multiresolution methods for image and 3D geometry compression.

**ISMAIL BURHAN TURKSEN**



For contributions to fuzzy logic systems.

**DANIEL DEAN STANCIL**



For contributions to the theory and development of microwave and optical devices using magnetic garnet thin films and patterned ferroelectric domains.

**ARNOLD LEE SWINDLEHURST**



For contributions to the field of space-time signal processing for radar and wireless communications.

**MOE Z. WIN**



For contributions to wideband wireless transmission.

**PAUL GREGORY STEFFES**



For contributions to the understanding of planetary atmospheres.

**TIENIU TAN**



For contributions to pattern recognition research and applications.

**GREGORY WORNELL**



For contributions to efficient signal processing algorithms for wireless communications.

**DOUGLAS STRAIN**



For leadership in the development of automated test and calibration systems.

**DAVID L. TENNENHOUSE**



For leadership in the development of active networks.

**KEN-ICHI YUKIMATSU**



For contributions on photonic switching technologies and systems.

SOCIETY MEMBERS NAMED TO FELLOW GRADE

HONG-JIANG ZHANG



For contributions to media computing and leadership in content-based visual media analysis, retrieval, and browsing.

YILIN ZHAO



For contributions to location and navigation technologies and systems.

THOMAS JOSEPH BRAZIL

For contributions to circuit-level modeling of non-linear devices.

STEVEN J. WALLACH

For contributions to high-performance computing.

ZHEN ZHANG



For contributions to source coding theory and information inequalities.

SOLUTION TO PUZZLE 253

"... Inexpensive, high-bandwidth communications make it feasible for large work forces to be located and affectively managed anywhere... Any worker... is now in jeopardy of being replaced by a lower-paid equally skilled worker thousands of miles away."

Schumer and Roberts, "(Second Thoughts on) Free Trade," N. Y. Times, January 6, 2004

- |                      |                |                                |
|----------------------|----------------|--------------------------------|
| A Switching network  | J Doer         | S Ray                          |
| B Call processing    | K Rake         | T Erbium doped fiber amplifier |
| C Hands-off          | L Offered load | U Echo                         |
| D Unknowns           | M Bow-wave     | V Twinkling                    |
| E Maxwells equations | N Ebbed        | W Rich                         |
| F Eye                | O Roomy        | X Anti                         |
| G Rome               | P Telepathy    | Y Deadly                       |
| H Aide               | Q Sakagawea    | Z Enjoy                        |
| I Naive              | R Fiscally     |                                |



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