VISION STATEMENT

I have served the Computer Society in various roles for all my professional life and remains a firm believer in its goals of opening communities, facilitating the production, transmission, and consumption of information, responding to the changing needs and expectations of our members, and crucially, promoting an inclusive reach. Indeed, it is now a truism that the technology we have created has caused profound disruptions. Yet, the mission of IEEE remains: provide information and services to advance the theory, practice, and application of science and technology to benefit all.

I will, if elected, enthusiastically continue this work, and promote and facilitate:

- Communication between the CS and other IEEE units, including development of approaches to membership growth favoring cross-society fertilization,

- A quest for innovative ways to reach diverse members and overall improve member engagement, extending to outreach to underrepresented groups, students, and established professionals.

- Application of new tools to ease the availability of technical information, including the exploration of opportunities for new product development (*e.g.,* hybrid conferences, Open Access).

For more information, please visit http://pascal.eng.uci.edu/JLG4DDV

BIOGRAPHY

Jean-Luc Gaudiot is Distinguished Professor of Electrical Engineering and Computer Science at the University of California, Irvine, where he was Department Chair for six years. Prior, he was Professor at the University of Southern California. He received a PhD in Computer Science from UCLA in 1982. He is a Fellow of IEEE and AAAS, an IFIP Silver Core Member, and a Professional Member of Eta Kappa Nu.

He was 2017 IEEE Computer Society President, Editor-in-Chief and Editorial Board member of several journals, as well as leader of many professional meetings. He has been a major participant in technology forecasting (Predictions 2024 and 2023 International Roadmap for Devices and Systems).

His many contributions to the architecture of multiprocessors, the design of autonomous driving systems, hardware security, *etc.,* have been published in over 300 articles and books. His research has been sponsored by NSF, DoE, and DARPA, as well as industrial organizations.

ACCOMPLISHMENTS AND ACTIVITIES

(StM'75-M'82-SM'90-F'99-LF'20)

IEEE Membership Activities

- *TAB adhoc Committee on Multiple Society Discount Program Chair (2021-2022):* In this position, I was able to promote inter-society synergies. It has given me a deep understanding of the delicate interactions between societies, councils, and TAB.

Computer Society Activities

- *Computer Society President* (2017)
  - o Led the Society through an intense year of reforms ranging from operations to budget issues, leading to a much-improved financial situation

- o Initiated activities in emerging technologies (Cybersecurity, BlockChain, *etc.*)
- o Engaged membership with an emphasis on diversity, equity and inclusion as well as geographic reach
- *Vice President*, Educational Activities Board (1 year), Publications Board (2 years)
- *Member,* Board of Governors (2 terms)
- *Chair,* Technical Committee on Computer Architecture (2 terms)
- *Member,* IEEE ACM/CS Eckert-Mauchly Award Committee (*chair* one year)

Publications

1. *Computer Society Publications Board*
   - o *Chair* of the Transactions Operations Committee and Magazine Operations Committee
   - o *Vice President* of the Publications Board (2014-2015): Oversaw the operations of a total of 12 Magazines and 14 Transactions and initiated several projects including *Journal First – Conference Second* and *Versioning.*
2. *TAB Periodical Committee* (2020-2023). Contributed to multiple committees and chaired:
   - o Open Access EIC Best Practices
   - o Use of AI Tools for Reviewer selection
   - o Submission process standardization
- *Co-founder* and first *Editor-in-Chief* of IEEE Computer Architecture Letters
- *Editor-in-Chief* of IEEE Transactions on Computers
- *Member,* Editorial Board of multiple journals (IEEE TC, Parallel Processing Letters, *etc.)*

Conferences

- *Technical Program or General Chair* of multiple IEEE CS and ACM sponsored conferences (ISCA 1992, PACT 1993, ISPDC 1993, PACT 1995, HPCA 1999, CF 2004, SBAC-PAD 2004, IPDPS 2005, SBAC-PAD 2007, SBAC-PAD 2001, SBAC-PAD 2013, NPC 2005, NPC 2007, NPC 2010, CSE 2011, *etc.*)
- *Co-founder* of the IEEE-CS/ACM Parallel Architectures and Compilation Techniques (PACT) conference
- *Steering Committee member* of several conferences (PACT, NPC, HPCA, SBAC-PAD)