



MIKE HINCHEY

Candidate for IEEE Region 8 Vice Chair Technical Activities

BIOGRAPHY

(100-150 words, without IEEE activities, please do not exceed the upper word limit, only the first 150 words will be printed)

Mike Hinchey was Chair of IEEE UK & Ireland Section for 2018-2019 and Past Chair 2020-2021. He is President of the International Federation for Information Processing and Emeritus Director of Lero-the Irish Software Research Centre and Professor of Software Engineering at University of Limerick, Ireland. Previously, Hinchey was Director of the NASA Software Engineering Laboratory for 15 years. He was awarded NASA's Kerley Award as Innovator of the Year and is inducted in the NASA Inventor's Hall of Fame. Hinchey holds a B.Sc. in Computer Systems from University of Limerick, M.Sc. in Computation from University of Oxford, and PhD in Computer Science from University of Cambridge. He is the author/editor of more than 20 books and 200 papers and is a regular keynote speaker at IEEE conferences and events; he is a former participant in the Distinguished Visitors Program and SEARCC Global ICT Professional of the Year 2018. [148 words]

IEEE ACTIVITIES

COMMITTEES/BOARDS: (IEEE Major Boards and Committees)

- Member, IEEE Ethics committee, 1995-1999 (est.)
- Distinguished Visitor Program, 2006-2008
- IEEE-Computer Society Technical Activities Board (1996-2000; 2004-2012)
- Vice Chair, IEEE-CS TAB (2005-2006)
- IEEE-CS Conference Publications Operations Committee (2006 - 2016)

REGIONS: (Region 8 and others)

- R8 Committee Member (2018-2019)
- R8 Member Development Sub-committee (2019 -)
- Co-Chair, EUROCON 2021, Region 8 Flagship event

SECTIONS/CHAPTERS:

- Vice Chair, IEEE UK & Ireland Section (2016 – 2017)
- Chair, IEEE UK & Ireland Section (2018 - 2019)
- Past Chair, IEEE UK & Ireland Section (2020 – 2021)
- Keynote speaker at 2018, 2019, 2020, IEEE Young Professionals events including Region 8 YP flagship event, WESYP 2019
- Region 8 Committee member (2018-2019)
- Member, Region 8 Membership Development committee (2018 -)

STUDENT BRANCHES:

- Keynote speaker at 2018, 2019, 2020, IEEE Young Professionals events including Region 8 YP flagship event, WESYP 2019

CONFERENCES:

- Co-Founder, IEEE International Conference on Formal Engineering Methods (ICFEM), Co-Chair 2005-2007
- Co-Founder, IEEE International Conference on Software Engineering and Formal Methods (SEFM), Co-Chair 2002-2004
- Co-Founder IEEE International Conference on Engineering Complex Computer Systems (IEEE ICECCS)
- Founder, IEEE Software Engineering Workshop and IEEE/NASA Software Engineering Workshop, Chair for SEW-26 to SEW-35
- Co-Founder, IEEE Workshop on Engineering Autonomous and Autonomic Systems (EASe)
- Co-Founder, IEEE International Workshop on Industrial-Strength Formal Specification Techniques (WIFT)
- Co-Founder, IEEE/NASA Workshop on Formal Approaches to Agent-Based Systems (FAABS)
- Established IEEE Space Mission Challenges for IT (SMC-IT) as an IEEE event
- Chair, IEEE Engineering Computer-Based Systems 2005 (ECBS 2005)
- Co-Chair, EUROCON 2021, Region 8 Flagship event
- Member of Program Committees for dozens of IEEE conferences and workshops
- Keynote speaker at dozens of IEEE events worldwide

AWARDS:

- Several IEEE and IEEE-CS Certificates of Appreciation
- Recognition plaque from IEEE UK & Ireland Section for outstanding service

OTHER: (Society Memberships)

- Member, IEEE Computer Society
- Member, IEEE Education Society
- Member, IEEE Aerospace and Electronic Systems Society
- IEEE-Computer Society Technical Activities Board (1996-2000; 2004-2012)
- Vice Chair, IEEE-CS TAB (2005-2006)
- IEEE-CS Conference Publications Operations Committee (2006 - 2016)

- *Computer* editorial board (2007 – 2016; 2019 -); guest editor of 3 special issues (NASA 50th anniversary, Software Engineering, Evolving Critical Systems)
- Newsletter editor, Technical Segment Committee on Engineering Complex Computer Systems, 1995-1996
- Chair, Technical Committee on Complexity in Computing (TC-CCX), 1996-2000, 2004-2012
- Vice Chair, Technical Committee on Autonomous and Autonomic Systems (TC-AAS), 2005-2010
- IEEE-CS representative to IFIP Technical Committee 1, 07/1999-12/2012
- Member, IEEE Ethics committee, 1995-1999 (est.)
- Distinguished Visitor Program, 2006-2008
- Member, IEEE-CS Conference Publications Oversight Committee (2006 -)
- Editorial Board member, *Computer* and editor of Software Technologies column (2005 – 2015 and 2019 -)

QUALIFICATIONS

(100-120 words, specific qualifications for the position the candidate is running for)

Mike Hinchey was the founder or co-founder of several successful IEEE conferences series back in the mid-to-late 1990s. He was General Chair or Program Chair for many of the first instances of these events. He served on IEEE-CS TAB and was Vice Chair for two years. He was also one of the founders of IEEE Technical Committee on Complexity in Computing, serving 2 terms as Chair, and of the IEEE Technical Committee on Autonomous and Autonomic Systems, serving as Vice Chair and later as Chair. He has served on the IEEE-CS Publications Oversight Committee dealing with the quality of conference proceeding and resolving ethics breaches by authors. He served for 10 years as a column editor on *IEEE Computer*, producing a successful IEEE Press/Wiley book from the column and rejoined the editorial board in 2019.

MAJOR ACCOMPLISHMENTS

(100-120 words, major IEEE accomplishments)

- Mike Hinchey illustrated leadership and innovation in establishing two IEEE Technical committees and led them for several years, serving multiple terms as Chair or Vice Chair.
- He showed organizing ability and foresight in founding several IEEE Conference series in a variety of areas (autonomous systems, space exploration, software engineering, formal methods) and emphasizing industry collaboration and involvement in each of these.
- He has shown organization ability on the board of *IEEE Computer*, and has guest edited multiple issues. He has recently re-joined the board.
- Hinchey showed great leadership as Chair of IEEE UK & Ireland Section, the largest Section outside of Silicon Valley, which has continued to grow and reach its membership targets. He has also show cross-reaching collaboration abilities and has been instrumental in creating and advancing a number of cross-section events within Region 8 and Region 9.

POSITION STATEMENT

(100-120 words)

After the pandemic, members will require very different products, publications, and events. It is vital that Region 8 is proactive in devising new products and new delivery mechanisms. This includes many more regular webinars, new newsletters and social media usage, and conferences that are run online (over prolonged periods), online and interactive journals, etc. I have significant experience in organizing IEEE events over more than a quarter century. I have founded several highly successful conference series and co-founded two IEEE-CS technical committees. I have served on IEEE committees and been Vice Chair of the IEEE-CS Technical Activities Board, and served as Associate Editor of *Computer*. Moreover, being Past Chair of IEEE UK & Ireland Section I have gotten to know many volunteers across Region 8 and believe that I can address their needs.