**Curriculum Vitae**

**Name: Ezio Rizzardo** AC FRACI, FTSE, FAA, FRS

**Date and place of birth:** 26-12-1943, Onigo, Italy

**Work address:**

CSIRO Manufacturing

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**Qualifications:**

BSc (1st Class Hons) in Applied Chemistry, the University of NSW 1966

PhD in Organic Chemistry, the University of Sydney 1969

Graduate, CSIRO Leadership Development Program 1993

**Current appointments:**

Honorary CSIRO Fellow at CSIRO Manufacturing Flagship

Honorary Professorial Fellow at the University of Melbourne

Adjunct Professor at Monash University

**Previous appointments:**

Post-doctoral Fellow with Richard B Turner, Rice University, Houston, Texas, USA, 1969-71

Post-doctoral Fellow with Sir Derek Barton (Nobel Laureate), Research Institute for Medicine and Chemistry, Cambridge, Mass., USA, 1971-73

Research Fellow with Arthur J Birch, Australian National University, Canberra, 1973-76

Progressed from Senior Research Scientist to CSIRO Fellow at CSIRO from 1976 to 2000

Leader of several projects in CSIRO from 1976 to 2009

Member of Division’s Management Committee in CSIRO from 1980-2000

Inaugural/Interim Director - Cooperative Research Centre for Polymer Blends, 1992-94

Member of Management Committee of CRC for Polymers from 1994-2016

**Research interests:**

Kinetics and mechanisms of radical polymerization

Development of new methods for polymer synthesis: co-inventor of Nitroxide Mediated Polymerization (NMP) and Reversible Addition-Fragmentation chain Transfer (RAFT)

Use of RAFT for the synthesis of polymers for commercial applications including: biomedical, electrochemical, agricultural, personal care, lubricants and coatings.

**Higher degree students co-supervised**

*San H Thang,* PhD, 1987, Griffith University, “Radical Trapping with Nitroxides”

*David S Harrison*, MAppSc, 1988, Swinburne Institute of Technology, “The Chemistry of Omega-Unsaturated Oligomers and Polymers”

*Marylou Molphy*, PhD, 1996, Swinburne University of Technology, “Preparation and Characterisation of Dispersions Containing Polymer-Modified Minerals”

*Katherine M Wansbrough*, MAppSc, 1996, Swinburne University of Technology, “Surface Modification of Kaolinite Using Polymeric Additives”

*Peter J Cass*, PhD, 2000, Swinburne University of Technology, “Investigation of the Cobalt Catalysed Polymerisation of 1,3-Butadiene to High Cis-1,4-Polybutadiene”

*Simon Harrisson*, PhD, 2001, University of NSW, “Kinetics and Mechanisms of Free-Radical Ring-Opening Polymerization”

*John F Quinn*, PhD, 2002, University of NSW, “Synthetic and Kinetic Studies of Reversible Addition-Fragmentation Chain Transfer Polymerization”

*Stuart W Prescott*, PhD, 2003, University of Sydney, “RAFT in Emulsion Polymerization”

*Ming Chen*, PhD, 2004, University of Melbourne, “Photoactive Functional Polymers”

*Erika Bicciocchi*, PhD, 2013, University of Melbourne, “Donor-Acceptor Block Copolymers for Photovoltaic Applications”

**Lifetime patents and publications:**

Inventor/co-inventor on 37 patent families (Derwent Innovations Index)

Author/co-author of 303 publications cited more than 27,200 citations (Google Scholar)

Author/co-author of 205 ISI listed publications (ISI Web of Science)

Above 205 publications have received over 20,000 citations (ISI Web of Science)

Average citations/paper 100 (ISI Web of Science)

H-index 62 (ISI Web of Science)

**Invitations to present Named Lectures**

Delivered over 50 invited/plenary lectures including the following named lectures:

The Melville Lecturer for 2000, Delivered at: Cambridge University (UK), Durham University (UK), and Imperial College London (UK)

The Rauscher Lecture for 2002, Rensselaer Polytechnic Institute (New York)

Barbara Ell Lecture for 2003, Victor Chang Research Institute (Sydney)

Pedersen Lecture for 2004, DuPont Central Research (Wilmington, USA)

H G Smith Memorial Lecture for 2004, (Melbourne)

G. Stafford Whitby Memorial Lecture for 2005, the University of Akron (Akron, USA)

Richard B Turner Memorial Lecture, Rice University (Houston, USA) – to be delivered

**Membership of boards and committees:**

Chairman, Royal Australian Chemical Institute (RACI) Victorian Polymer Group 1984-85

Chairman, RACI Polymer Division 1989-90

Chairman Organizing Committee, 18th Australian Polymer Symposium 1990

Chair, Advisory Committee, Applied Chemistry, Swinburne University of Technology 1988-90

Member of Advisory Committee, Australian Journal of Chemistry 1990-95

Member Editorial Board, Progress in Polymer Science 1994-96

Member of Technical Committee of CRC for Polymers 1994-present

Member of Management Committee of CRC for Polymers 1994-present

Council Member of the Pacific Polymer Federation 1995-2000

RACI Polymer Division International Affairs Committee 1995-2000

Advisory Committee, ANU Centre for Science and Engineering of Materials 1998-2002

RACI Fellowship Committee 2000-2005

Editorial Board, European Polymer Journal 2000-present

Australian Academy of Science Fellowship Committee 2003-2005

Review Committee of Swinburne University Centre for Molecular Simulation (Nov 2004)

Australian Research Council College of Experts 2004-2006

Australian Research Council Federation Fellowships Selection Committee 2005

International Advisory Board of Chemical Society Reviews 2004-2005

International Advisory Committee/Co-organiser SML’06 International Symposium 2005-6

Editorial Board, Polymer Bulletin 2009-

Member Science and Industry Endowment Fund Expert panel 2009-

Member Science and Industry Endowment Fund Advisory Council 2009-

Member IUPAC Nominating Committee 2010-

Member Sectional Committee 3 of the Royal Society (London) 2011-2014

Member Australian Academy of Science Chemistry Awards Committee 2013

Chair Australian Academy of Science Chemistry Awards Committee 2014-2015

Member Selection Panel for Victorian Government Postdoctoral Fellowships 2014

Member of Panel that Reviewed Melbourne University’s School of Chemistry 2015

**Awards and Honours:**

Elected Fellow of the Royal Australian Chemical Institute (FRACI) 1981

CSIRO Medal (team leader) for outstanding research achievements 1990

RACI Polymer Division Citation for leadership and world ranking research 1991

CSIRO Chairman's Medal for outstanding contributions to polymer science and technology 1992

RACI Australian Polymer Medal for outstanding achievements in polymer science 1992

Elected Fellow of the Australian Academy of Technological Sciences and Engineering (FTSE) 1994

RACI Applied Research Medal for innovation through applied research 1996

CSIRO Most Prolific Inventor Award 2001

Elected Fellow of the Australian Academy of Science (FAA) 2002

Australian Government Centenary Medal for Service to Australian Society and Polymer Science 2003

Victor Chang Medal and Barbara Ell Lecture 2003

RACI H G Smith Memorial Medal 2003

CSIRO Molecular Science Award for Innovation 2003

CSIRO Medal (team leader) for innovation in polymer science 2003

Named in the Bulletin magazine’s “Australia’s Smart 100” in both 2003 and 2004

CRC for Polymers Chairman’s Awards for Excellence in Commercialisation 2003 and 2004

RACI names their Applied Research Award the Ezio Rizzardo Medal in 2005

CSIRO Strategic Excellence Award – Go for Growth (team member) 2007

CSIRO Award – ‘Most Highly Cited Paper’ 2009

CSIRO Medal for Lifetime Achievement 2009

Elected Fellow of the Royal Society (FRS) 2010

Named a Luminary of Australian Chemistry by the RACI 2011

Ranked 18th in the list of the world’s top 100 chemists (Thomson Reuters) 2011

Australian Prime Minister’s Prize for Science (shared with David Solomon) 2011

ATSE Clunies Ross Award for technological innovation and commercialisation 2014

Thomson Reuters Citation Laureate together with Graeme Moad and San Thang 2014

Royal Society of Chemistry: Macro Group UK Medal for Outstanding Achievement 2014

Thomson Reuters Highly Cited Researcher 2015

Named in Thomson Reuters’ list of “The World’s Most Influential Scientific Minds 2015”

CRC for polymers and ATSE establish the Rizzardo Polymer PhD Scholarship 2018

Appointed a Companion of the Order of Australia (AC) 2018