

Martin Bayes



Research Fellow at The Dow Chemical Company
Chemicals

<http://www.directoryinventor.com/profile/view/EnKD4Bkw>

Experience

Fellow

Dow Electronic Materials

10,001+ employees; Public Company; Chemicals
April 2009 - Present

Platform Research Manager for Surface Finish Technology 2010 - 2011 Internal expert for final finish / reflow assembly issue troubleshooting Internal expert on influences of PWB materials on high frequency signal propagation Technical consulting support to global new product development projects for Printed Wiring Board, Electronic and Industrial Finishing applications Responsible for mentoring members at Global R&D sites, particularly at new Asia locations R&D liaison for Intellectual Property and Environmental Sustainability issues Division technical documentation reviewer Responsible for review of externally released materials (Conference presentations and articles, product technical literature) Company representative in external industry collaborations (iNEMI Roadmap, Halogen-Free Materials, Substrate Wiring Density and Copper Wirebonding projects) Member of IPC 4-14 PWB Final Finish committee, involved in creation of ENIG, Immersion Tin, Immersion Silver and ENEPIG specifications

Research Fellow

Rohm and Haas Electronic Materials

10,001+ employees; Public Company; Semiconductors
January 2000 - Present

Internal technical consultant One year full assignment to Hong Kong R&D facility (2006 - 2007)
Member of IPC 4-14 Final Finish sub-committee

Research Fellow

Rohm and Haas / England

Public Company; Chemicals
1989 - Present

Research Scientist

Enthone

Public Company; Chemicals
1982 - 1989

Postdoctorate Fellowship

IBM

Public Company; Information Technology and Services
1981 - 1982

IBM Yorktown Heights

Education

University of Southampton

Electrochemistry

1977 - 1981

Activities and Societies: One year sabbatical assignment as manager of Student Sports Association, University representative to British University Sports Federation. University Hockey 1st Team, Snooker Club, Amateur Radio Club (G3KMI)

Ph.D. supervisor Martin Fleischmann Thesis topic : Electrodeposition and Electrocatalysis on Microelectrodes Stoichiastics of metal (ruthenium) deposition on ultramicroelectrodes (10 micron carbon fibres) to directly measure nucleation rate and deposition morphology

University of Southampton

Chemistry

1973 - 1977

Activities and Societies: Amateur Radio Club (G3KMI)

1st Class (Honours) Degree

Patents (2)

[Electrochemically deposited indium composites](#)

Nathaniel E Brese, Edit Szocs, Felix J Schwager, Michael P Toben, Martin W Bayes
November 19, 2013: 08585885

[Electrochemically deposited indium composites](#)

Nathaniel E Brese, Edit Szocs, Felix J Schwager, Michael P Toben, Martin W Bayes
March 19, 2009: 20090075102-A1

[View all \(2\)](#)