Michael J. Potel, Ph.D.

Expertise

- System Software
- Computer Graphics
- Object-Oriented Systems
- 3D Imaging
- Image Processing

- User Interfaces
- Personal & Mobile Computing
- Internet Software
- Applications
- Software Intellectual Property



Professional Summary

Dr. Potel has over 40 years experience in the computer and software industries with Apple, Taligent, IBM, and the University of Chicago. Dr. Potel serves as an independent consultant and expert witness in multiple areas of system and application software and related technologies.

Dr. Potel is President of Wildcrest Associates, a Silicon Valley technology consultancy and software products company, where he has developed Java and C++ class libraries and tools as well as commercial applications for PC, internet, and mobile platforms. Previously, as Director of Software Engineering for Apple, he led the teams responsible for multiple releases of the Macintosh operating system, including well-known technologies such as QuickTime, TrueType, AppleScript, and Color QuickDraw, development tools such as MPW, HyperCard, and MacApp, and object technologies leading to the Apple/IBM/HP joint venture Taligent. As a University of Chicago faculty member, he published extensively on computer graphics, image processing, and visualization in scientific applications.

Dr. Potel has been an expert witness in over two dozen patent cases involving 3D graphics and video processors, graphics displays, printer halftoning, 2D and 3D CAD systems, digital cameras, smartphones, e-commerce, web servers, web browsers, web authoring systems, Java databases, wireless messaging, email protocols, game systems graphics, object-oriented software development tools, and software applications. Dr. Potel has testified at trial and by deposition in Federal patent cases, arbitration, and Markman hearings. He has published over 90 articles and journal publications. He received a B.S. in Mathematics from the University of Michigan in 1970, and M.S. and Ph.D. degrees in Information Sciences from the University of Chicago in 1971 and 1977, respectively.

Employment History

Date:	1997-now	Wildcrest Associates
		Los Altos Hills, CA
	1997-	President and Co-Founder
		Founded successful Silicon Valley software technology consulting and software products company. Consulting services provided in technology evaluations, software strategy & intellectual property. Design and implementation of end-user applications and developer component technologies for Web, Internet, PC, and mobile platforms.

Date:	1992-1997	Taligent, Inc. (Apple, IBM, and HP joint venture, later whollyowned IBM subsidiary)
		Cupertino, CA
	1996-1997	Vice President and Chief Technology Officer
		Responsible for technology strategy, architecture, product planning and marketing, and IT. Managed IBM parent company relationship, technical and product direction, and business opportunities including technology licensing to Sun, Netscape, and Oracle. Shipped products included Java and C++ class libraries, tools, component groupware.
	1992-1995	Vice President, Technology Development
		Responsible for bringing the CommonPoint Application System to market. Responsible for technology strategy, investigations, partnerships, standards, and intellectual property development. Primary technical spokesperson with press, analysts, and customers. Co-author <i>Inside Taligent Technology</i> (Addison-Wesley, 1995).
	1992	Vice President, Engineering
		Responsible for the company's founding product development program and engineering organization of 165 engineers.

Date:	1985-1992	Apple, Inc.
		Cupertino, CA
	1988-1992	Sr. Director, Software Engineering
		Directed 150 software engineers (1991-92) responsible for Apple's
		system software project known as <i>Pink</i> . Played central role in year-
		long Apple/IBM negotiations leading to formation of Taligent, Inc.

		Apple, Inc. continued
		Directed 245 software engineers (1989-91) responsible for Apple's <i>Pink</i> project plus all Macintosh development system products. Initiated and shipped MPW 3.0, HyperCard 2.0, & MacApp 3.0.
		Directed 320 software engineers (1988-89) responsible for all Apple Mac, Unix, and Apple II system software and development tools. Initiated Macintosh System 7.0 and <i>Pink</i> OS efforts, and key technologies such as QuickTime, TrueType, and AppleScript. Also responsible for Mac user interface, multimedia products, A/UX (Unix), Apple II, and Mac firmware.
198	7-1988	Engineering Manager, Computer Technologies Advanced Technology Group.
		Managed 70 HW & SW engineers in a multiple project environment. Product technology investigations in graphics, video, sound, speech, RISC, OS, object systems, tools, applications.
1985	5-1987	Program Manager, Graphics & Sound Advanced Development Group.
		Managed 13 HW & SW engineers prototyping new product technologies. Shipped products included Mac II Video Card, Color QuickDraw, Apple Sound Chip & Sound Manager, Two Page Display Graphics Card, Apple II Video Overlay Card, Apple MIDI interface.
1985	5	Staff Engineer, Education Research Group
		Responsible for color halftoning and other investigations leading to the design of Color QuickDraw for the Macintosh and two US patents. Related work in image processing, ray tracing, Unix system software.

Date:	1977-1985	University of Chicago
		Chicago, IL
	1977-1985	Research Associate (Assistant and Associate Professor)
		Department of Biophysics and Theoretical Biology
		■ Founded and directed the University of Chicago Computer Graphics & Image Processing Laboratory. Departmental and campus-wide research facility with 2 Ph.D. Research Associates, 4 grad students, 4 staff. Principal advisor on 2 Ph.D. dissertations.
		 Designed and built multiple custom research computing systems for scientific image processing, visualization, 3D motion analysis.

University of Chicago continued
 Research in Fourier image processing & reconstructions, interactive 2D & 3D graphics, color rendering, animation, time- based image & scene analysis, scientific computation.
 Principal Investigator or co-Principal Investigator on multiple NSF, NIH, Heart Association, & industry grants Teaching: computer programming, computer graphics & image processing, 7 University committee appointments

Litigation Support Experience22 expert witness, 7 consulting expert, 2 fact witness

Date:	2020-2021	Greenberg Traurig (for defendant Rakuten)
	Case:	Rakuten Rewards and Cartera Commerce v. MyMail (expert witness)
	Matter:	<i>Inter partes</i> review, 1 patent, in-application banner advertising.
	Project:	Invalidity analysis, expert declaration.
	Status:	Case dismissed

Date:	2013-2019	Bracewell & Giuliani (for plaintiff CA)
	Case:	CA v. New Relic (expert witness)
	Matter:	Patent infringement, 3 patents, software performance monitoring tools.
	Project:	Validity analysis, expert report, expert deposition.
	Status:	Settlement reached

Date:	2018	Boies, Schiller & Flexner (for plaintiff Carnival)
	Case:	Carnival Corp. v. Adara Networks (expert witness)
	Matter:	Mediation dispute, breach of contract, failure to perform
	Project:	Technical review, project evaluation, mediation support
	Status:	Settlement reached

Date:	2017-2018	Morrison & Foerster (for defendant Nikon)
	Case:	Zeiss v. Nikon (expert witness)
	Matter:	Patent infringement, 3 patents, camera image processing software.
	Project:	Invalidity analysis.
	Status:	Case closed after IPR

2014-2015 Case:	Holland & Knight (for plaintiff/defendant CA)
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	CA v. AppDynamics & AppDynamics v. CA (expert witness)
Matter:	Patent infringement, 3 patents, breach of contract, misappropriation of
	trade secrets, software performance monitoring tools.
Project:	Validity analysis, source code analysis, expert report, expert deposition, expert declaration.
Status	Settlements reached
Status.	Settlements reached
2012-2014	Ropes & Gray (for defendant Nikon)
Case:	Intellectual Ventures v. Nikon (expert witness)
Matter:	Patent infringement, 2 patents, digital camera imaging and software.
Project:	Invalidity analysis, claim construction.
Status:	Patent assertions withdrawn
2006-2011	Robins, Kaplan, Miller and Ciresi (for defendant ATI/AMD)
Case:	SGI v. ATI/AMD (expert witness)
Matter:	Patent infringement, 3 patents, 3D graphics processors.
Project:	Prior art, invalidity analysis, claim construction, expert & supplemental
-	reports, expert declarations, expert deposition, expert testimony at trial.
Status:	First trial completed, settled on eve of second trial following appeal
2010	DLA Piper Rudnik Gray Cary (for defendant Digital Insight / Intuit)
Case:	MShift v. Digital Insight / Intuit (expert witness)
Matter:	Patent infringement, 1 patent, mobile on-line banking software.
Project:	Non-infringement analysis, source code analysis, claim construction, expert declarations.
Status:	Summary judgment ruling for defendant following Markman
2009	Sheppard Mullin (for plaintiff Surfware)
Case:	Surfware v. Celeritive Technologies (expert witness)
Matter:	Patent and trade secret litigation, 1 patent, CAD/CAM software.
Project:	Infringement analysis, source code analysis, claim construction, expert
J	declarations.
Status:	Settlement reached
2008-2009	Crowell & Moring (for defendant Kodak)
Case:	Screentone Systems v. Kodak et al (expert witness)
Matter:	Patent infringement, 2 patents, printer halftoning technology.
Project:	Non-infringement analysis, product investigation, claim construction.
Status:	Settlement reached
	Case: Matter: Project: Status: 2006-2011 Case: Matter: Project: Status: 2010 Case: Matter: Project: Status: 2009 Case: Matter: Project: Status: 2009 Case: Matter: Project: Status:

Date:	2004-2009	Klarquist Sparkman (for defendant Microsoft)
Date.	Case:	Research Corporation Technologies v. Microsoft (expert witness)
	Matter:	Patent infringement, 6 patents, printer halftoning technology.
	Project:	Source code analysis, image analysis, invalidity analysis, expert
	Project.	
	Chatasas	declarations, expert & supplemental reports, expert deposition. Settlement reached
	Status:	Settlement reached
Date:	2006-2007	Reed Smith (for defendant SportsMEDIA)
	Case:	Sportvision v. SportsMEDIA (expert witness)
	Matter:	Patent infringement, 3 patents, first-down line for televised football.
	Project:	Prior art research, invalidity analysis, non-infringement analysis, expert
		& rebuttal reports.
	Status:	Settled via patent license
Date:	2004-2006	DLA Piper Rudnik Gray Cary (for plaintiff Hewlett Packard)
Date.	Case:	Hewlett Packard v. Gateway (expert witness)
	Matter:	Patent infringement, 3 patents, graphics projection, software updating.
		Prior art research, invalidity analysis, product testing, infringement
	Project:	analysis, claim construction.
	Status:	Case settled in favor of plaintiff
	Status.	Case section in lavor of plantin
Date:	2004-2006	Buchalter, Nemer, Fields & Younger (for plaintiff Brandt/3dfx)
	Case:	Brandt/3dfx v. nVidia (expert witness)
	Matter:	Patent infringement/bankruptcy, 3 patents, 3D graphics processors.
	Project:	Infringement analysis, source code analysis, expert report, expert
		deposition.
	Ctataaa	l Rench trial completed ruling on anneal
	Status:	Bench trial completed, ruling on appeal
Date		
Date:	2005	Klarquist Sparkman (for defendant Amazon)
Date:	2005 Case:	Klarquist Sparkman (for defendant Amazon) BTG International v. Amazon (consulting expert)
Date:	2005 Case: Matter:	Klarquist Sparkman (for defendant Amazon) BTG International v. Amazon (consulting expert) Patent infringement, 2 patents, web server technology.
Date:	2005 Case: Matter: Project:	Klarquist Sparkman (for defendant Amazon) BTG International v. Amazon (consulting expert) Patent infringement, 2 patents, web server technology. Prior art research, claim construction.
Date:	2005 Case: Matter:	Klarquist Sparkman (for defendant Amazon) BTG International v. Amazon (consulting expert) Patent infringement, 2 patents, web server technology.
Date:	2005 Case: Matter: Project:	Klarquist Sparkman (for defendant Amazon) BTG International v. Amazon (consulting expert) Patent infringement, 2 patents, web server technology. Prior art research, claim construction.
	2005 Case: Matter: Project: Status:	Klarquist Sparkman (for defendant Amazon) BTG International v. Amazon (consulting expert) Patent infringement, 2 patents, web server technology. Prior art research, claim construction. Project completed
	2005 Case: Matter: Project: Status:	Klarquist Sparkman (for defendant Amazon) BTG International v. Amazon (consulting expert) Patent infringement, 2 patents, web server technology. Prior art research, claim construction. Project completed Fish & Richardson (for defendant Microsoft)
	2005 Case: Matter: Project: Status: 2004-2005 Case:	Klarquist Sparkman (for defendant Amazon) BTG International v. Amazon (consulting expert) Patent infringement, 2 patents, web server technology. Prior art research, claim construction. Project completed Fish & Richardson (for defendant Microsoft) Teknowledge v. Microsoft (expert witness)
	2005 Case: Matter: Project: Status: 2004-2005 Case: Matter:	Klarquist Sparkman (for defendant Amazon) BTG International v. Amazon (consulting expert) Patent infringement, 2 patents, web server technology. Prior art research, claim construction. Project completed Fish & Richardson (for defendant Microsoft) Teknowledge v. Microsoft (expert witness) Patent infringement, 3 patents, web servers, e-commerce, & browsers.

Case settled following Markman hearing

Status:

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\ \ \ \ \ \		Irell & Manella (for plaintiff Hewlett Packard)			
	Case:	Hewlett Packard v. Intergraph (expert witness)			
	Matter:	Patent infringement, 2 patents, 2D & 3D graphics in CAD systems.			
	Project:	Infringement analysis, product testing, source code analysis, claim			
		construction, expert declaration.			
	Status:	Case settled via patent cross-license			
Date:					
	Case:	New River Holding Ltd. v. Precision Response Corp. (expert witness)			
	Matter:	Acquisition dispute, arbitration. Java, databases, web authoring systems.			
	Project:	Software development review, product test, source code analysis, expert			
		& rebuttal reports, expert & rebuttal testimonies at arbitration hearing.			
	Status:	Case concluded with verdict			
Date:	2003	Jones Day (for plaintiff Research in Motion)			
	Case:	Research In Motion (BlackBerry) v. Good Technology (expert witness)			
	Matter:	Patent infringement, 1 patent, wireless messaging, email protocols.			
	Project:	Prior art review, infringement analysis, source code analysis.			
	Status:	Case settled, defendant agreed to lump sum payment + royalties.			
Date:	2002-2003	Wilson, Sonsini, Goodrich & Rosati (for defendant Sun Microsystems)			
	Case:	Kodak v. Sun Microsystems (consulting expert)			
	Matter:	Patent infringement, 3 patents, object-oriented compound documents.			
	Project:	Prior art research, infringement analysis, product testing.			
	Status:	Project completed			
Date:	2001-2002	Wilson, Sonsini, Goodrich & Rosati (for defendant Borland)			
	Case:	WebGain v. Borland (expert witness)			
	Matter:	Patent infringement, 7 patents, object-oriented SW development tools.			
	Project:	Infringement analysis, product testing, source code analysis, tutorial &			
		demo development, expert report, rebuttal report (prepared).			
	Status:	Settled in favor of defendant during summary judgment phase.			
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Date:	2001	Irell & Manella (for plaintiff Intel)			
	Case:	Intel v. potential litigant (consulting expert)			
	Matter:	Patent infringement, graphics/video processors.			
	Project:	Infringement analysis, patent portfolio analysis, and product testing.			
	Status:	Project completed			

2001	Bergeson & Eliopoulos (for plaintiff Trident)		
Case:	Trident v. S3 (consulting expert)		
Matter:	Trade secret litigation, 3D graphics processors.		
Project:	Analysis of product development plans for trade secret violation.		
Status:	Project completed		
2001	Howrey, Simon, Arnold & White (for defendant Insignia Solutions)		
Case:	Sony Corporation v. Insignia Solutions (consulting expert)		
Matter:	Patent infringement, 2 patents, game system graphics technologies.		
Project:	Prior art research, invalidity analysis.		
Status:	Settled via patent cross-license		
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	Weil, Gotshal & Manges (for plaintiff Phone.com)		
+	Phone.com v. Geoworks (expert witness)		
Matter:	Patent infringement, 1 patent, WAP/WML Internet & object technology.		
•	Prior art research, claim construction.		
Status:	Settled via patent cross-license		
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+	Crosby, Heafey, Roach & May (for plaintiff 3dfx)		
+	3dfx v. nVidia and 3dfx v. Real3D (expert witness)		
	Patent infringement, 3 patents, 3D graphics processors.		
Project:	Prior art review, infringement analysis, discovery review, code analysis,		
	product testing, two Markman tutorials (presented), expert report (draft).		
Status:	Real3D took license; acquisition of 3dfx by nVidia		
2000	Grove Come Word & Engidennich (for defendent Wellschout)		
+	Gray, Cary, Ware & Freidenrich (for defendant Walkabout) Firoozye v Walkabout Software (consulting expert)		
+	Trade secret litigation, Internet browser software.		
+	Source code analysis in support of trade secret litigation.		
	Project completed		
Status.	rioject completed		
1999-2000	Crosby, Heafey, Roach & May (for plaintiff Enhance)		
	Enhance v. Turn-Luckily (consulting expert)		
+	Patent infringement, 2 patents, Macintosh video interfaces.		
+	Prior art review, discovery review.		
	Defendant took license following Markman ruling		
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1999	Arter & Hadden (for plaintiff Insight)		
Case:	Insight v. Hewlett Packard (expert witness)		
Matter:	Patent infringement, 1 patent, web site image display.		
Project:	Prior art & infringement analysis, expert report (draft).		
Status:	Case settled following Markman ruling		
	Matter: Project: Status: 2001 Case: Matter: Project: Status: 2000-2001 Case: Matter: Project: Status: 1999-2001 Cases: Matter: Project: Status: 2000 Case: Matter: Project: Status: 1999-2000 Case: Matter: Project: Status:		

Date:	1995	Brown & Bain (for defendant Apple Computer)	
	Case:	Apple (Records) Corp. v Apple Computer (fact witness)	
	Matter:	Trademark litigation.	
	Project:	Resumption of earlier case litigated in UK, preliminary deposition.	
	Status:	Case settled during trial	

Date:	1990-1991	Marsland & Starr (UK) (for defendant Apple Computer)	
	Case:	Apple (Records) Corp. v Apple Computer (fact witness)	
	Matter:	Trademark litigation.	
	Project:	Music products trademark case, discovery materials, interrogatory.	
	Status:	Case dismissed	

Testifying Experience

Testimony:

Date:	Case:	Type:
2008	SGI v. ATI/AMD (WD-Wis.)	Expert testimony
2004	Precision Response Corp. v. New River (FL arbitration)	Rebuttal testimony
2004	New River v. Precision Response Corp. (FL arbitration)	Expert testimony

Depositions:

Date:	Case:	Type:
2014	CA v. AppDynamics (ED-NY)	Deposition
2014	CA v. New Relic (ED-NY)	Deposition
2011	SGI v. ATI/AMD (WD-Wis.)	Deposition
2005	Brandt/3Dfx v. nVidia (ND-Cal.)	Deposition
2005	Research Corporation Technologies v. Microsoft (D-Ariz.)	Deposition

Expert reports:

Date:	Case:	Type:
2014	CA v. AppDynamics (ED-NY)	Rebuttal report
2014	CA v. New Relic (ED-NY)	Rebuttal report
2011	SGI v. ATI/AMD (WD-Wis.)	Supplemental report
2009	Research Corporation Technologies v. Microsoft (D-Ariz.)	Supplemental report
2007	SGI v. ATI/AMD (WD-Wis.)	Expert report
2006	Sportvision v. SportsMEDIA (ND-Cal.)	Rebuttal report
2006	Sportvision v. SportsMEDIA (ND-Cal.)	Expert report
2004	Brandt/3Dfx v. nVidia (ND-Cal.)	Expert report
2004	Research Corporation Technologies v. Microsoft (D-Ariz.)	Expert report
2004	Precision Response Corp. v. New River (FL arbitration)	Rebuttal report
2004	New River v. Precision Response Corp. (FL arbitration)	Expert report
2002	WebGain v. Borland (ND-Cal.)	Expert report

Expert declarations:

Numerous

Consulting History

Date:	2001-now	Apple, Inc.
		Software technology investigations, technical reviews, support of
		licensing, acquisitions, competitive analysis, IP development.
D /	2014 2010	T. 1 . II.O
Date:	2014-2018	Tinrocket, LLC
		Technical investigation for iPhone/iOS photo processing applications.
Date:	2014-2017	Hamilton IPV
		Intellectual property and investment diligence investigations.
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Date:	2016	ServiceNow, Inc.
		Technical analysis relating to patents.
Date:	2014-2016	Yahoo! Inc.
2		Patent, product, and technology investigations.
Date:	2012-2014	Dropbox, Inc.
		Technology portfolio investigations in support of acquisitions.
Date:	2013	BlackBerry Ltd.
Date.	2013	Technology portfolio investigation for potential licensing.
	1	
Date:	2008-2013	Breath Research, Inc.
		Advisory board member for iPhone-based health product company.
Date:	2011-2012	Altera Corporation
Date.	2011-2012	Investigation of web server technology for potential licensing.
		investigation of web server technology for potential neclising.
Date:	2007-2008	American Greetings Interactive
		Technology review in support of company acquisition.
D :	2005	TI: 12020 I
Date:	2005	Think2020, Inc. Review of object-oriented business application framework design.
		Review of object-offenced business application framework design.
Date:	2003-2004	Managed Ventures, Inc.
		Design of bioinformatics report generation software.
	2002 200:	
Date:	2002-2004	IBM Corporation
		Technology review, investigation and analysis of object-oriented
		products, evaluation reports.

Date:	2001	Central Coast Patent Agency, Inc.	
		Technology development and business strategy for agency clients.	
		Declarations in support of USPTO patent prosecutions.	
Date:	1998-2001	Clearwater Networks (formerly XStream Logic, Inc.)	
		Advisory board member and consultant for VLSI products company	
		developing high-speed network microprocessors.	
Date:	1998-2001	Object Technology Licensing Corp. (subsidiary of Apple and IBM)	
		Support patent prosecution, licensing negotiation, portfolio analysis.	
Date:	2000	Total Seminars, LLC	
		Custom software development, object-oriented component design.	
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Date:	1999	The Pixel Company	
		Review of Windows user interface technology, patent applications.	
Date:	1984-1987	Bioscan, Inc.	
		Developed thin-layer chromatography imaging product for IBM PC.	
Date:	1982-1985	Siemens, Inc.	
		Automated image re-registration in digital subtraction angiography.	
Date:	1982-1985	Apple Computer, Inc.	
Date.	1702-1703	Graphics software consulting, beta test site, graphics library design.	
	1	Graphics software consuming, ocu test site, graphics notary design.	
Date:	1982-1985	Hoffman-LaRoche, Inc.	
		Color autoradiography image acquisition & analysis system on PC.	
Date:	1982	Popelka, Allard, McCowan & Jones	
		Analysis of accident scene photos in product liability litigation.	
D.	1002	NDCN	
Date:	1982	NBC News	
		Image processing for Tylenol murder investigation. Featured on	
		NBC Nightly News and Today Show.	

Education

College/University	<u>Degree</u>
University of Chicago	Ph.D., Information Sciences. Thesis: Performance analysis and design of real-time computer graphics animation systems. National Science Foundation Traineeship.
University of Chicago	MS, Information Sciences
University of Michigan	BS, Mathematics, with Distinction, with High Honors
	University of Chicago University of Chicago

Patents

Patent Number	Date Issued	<u>Title</u>
5,068,644	Nov 1991	Color Graphics System
5,003,299	May 1991	Method for Building a Color Look-Up Table

Professional Associations

- Member, Association for Computing Machinery (1974-present)
 - Life Member (2014-present)
- Member, IEEE (1977-present)
 - Senior Member (2010-2014)
 - Life Senior Member (2014-present)
- Member, Editorial Board, IEEE Computer Graphics & Applications (1989-present)
 - Department Editor, Applications (1994-present)
 - Associate Editor-in-Chief (2002-present)
- Advisory Board, BreathResearch, Inc. (2008-2013)
- Advisory Panel, Silicon Valley Expert Witness Group (2002-2011)
- Advisory Board, Clearwater Networks, Inc. (1998-2001)
- Board of Directors, Unicode, Inc. (1991-1997)
- Phi Kappa Phi, 1970
- Phi Eta Sigma, 1967

Publications (92)

Journals/Magazines (44)

Wong, P.C., Bresenham, J, Dill J., Mellors, C., Potel, M., Rhyne, T.-M., Rosenblum, L., and Stone, M. "Rae Earnshaw: A Visionary in Computer Graphics and Beyond". *IEEE Computer Graphics & Applications*, 45, 3, 8-10, 2025.

Wong, P.C., Fu, P. C.-W., Potel, M., and Weaver, C. "Celebrating Excellence: An Overview of IEEE CG&A Awards Programs and Their Impact". *IEEE Computer Graphics & Applications*, 45, 2, 11-14, 2025.

Potel, M., "Thirty Years of Applications". *IEEE Computer Graphics & Applications*, 44, 6, 52-60, 2024.

Potel, M. and Wong, P. C. "Visualizing 20 Years of Applications". *IEEE Computer Graphics & Applications*, 34, 6, 6-11, 2014.

Potel, M. "CG&A's Departments". *IEEE Computer Graphics & Applications*, 32, 2, 6-7, 2012.

Potel, M. "A Decade of Applications". *IEEE Computer Graphics & Applications*, 24, 6, 14-19, 2004.

Potel, M. "Applications 2000" (Invited paper). *IEEE Computer Graphics & Applications*, 20, 1, 42-43, 2000.

Potel, M. "Motion sick in cyberspace." *IEEE Computer Graphics & Applications*, 18, 1, 16-21, 1998.

Potel, M. "Computer graphics and DNA sequencing." *IEEE Computer Graphics & Applications*, 16, 6, 14-19, 1996.

Lewis, T., Power, D., Meyer, B., Grimes, J., Potel, M., Vetter, R., Laplante, P., Pree, W., Pomberger, G., Hill, M., Larus, J., Wood, D., El-Rewini, H., and Weide, B. "Where is software headed? A virtual roundtable." *IEEE Computer*, 28, 8, 20-32, 1995.

Potel, M. "Message from the editor" (Department Editor's introductory column for bimonthly Applications Department Nov 1994-present). *IEEE Computer Graphics & Applications*, 14, 6, 12, 1994.

Potel, M. and Grimes, J. "The architecture of the Taligent system." *Dr. Dobb's Journal*, 19, 16, 36-40, 1994.

Grimes, J.D. and Potel, M.J. "The Taligent Application Environment: An approach to object-oriented systems development." *American Programmer*, 7, 8, 7-13, 1994.

Nolan, A.C., Karwoski, T., Potel, M.J., Rubin, J.M., and Sayre, R.E. "Relative magnitude and asynchrony of directional components of contraction in sedated dog left ventricle." *American J. Physiology*, 267, 1, 75-84, 1994.

Grimes, J. and Potel, M. "Amazing desktop applications." (Guest Editors' Introduction). *IEEE Computer Graphics & Applications*, 13, 3, 14, plus 2 papers, 1993.

Grimes, J. and Potel, M. "Multimedia - it's actually useful!" (Guest Editors' Introduction). *IEEE Computer Graphics & Applications*, 11, 4, 24-25, plus 7 papers, 1991.

Grimes, J. and Potel, M. "What is Multimedia?" (10th anniversary invited article). *IEEE Computer Graphics & Applications*, 11, 1, 49-52, 1991.

Carragher, B., Bluemke, D.A., McDade, W., Backer, M., Potel, M.J. and Josephs, R. "Structural analysis of polymers of sickle cell hemoglobin III. Structure of HbS fibers within fascicles." *J. Molecular Biology*, 199, 383-388, 1987.

Bluemke, D.A., Carragher, B., Potel, M.J. and Josephs, R. "Structural analysis of polymers of sickle cell hemoglobin II. Sickle Hemoglobin Macrofibers." *J. Molecular Biology*, 199, 333-348, 1987.

Carragher, B., Bluemke, D.A., Gabriel, B., Potel, M.J. and Josephs, R. "Structural analysis of polymers of sickle cell hemoglobin I. Sickle Hemoglobin Fibers." *J. Molecular Biology*, 199, 315-331, 1987.

Potel, M. and Batson, J. "Macintosh II dithered and raytraced images." *MacWorld*, 4, 4, 126-127, 132-133, and cover, April 1987.

Bluemke, D.A., Carragher, B., Geis, I., Potel, M.J. and Josephs, R. "Electron density modeling of polymers of sickle hemoglobin." *Electron Microscopy Society of America Bulletin*, 17, 1, 54-63, 1987.

Bluemke, D.A., Carragher, B., Potel, M.J. and Josephs, R. "Real-space reconstructions of nonideal helical particles." *J. Electron Microscopy Technique*, 5, 2, 141-151, February 1987.

Bluemke, D.A., Carragher, B., Potel, M.J. and Josephs, R. "The three-dimensional structure of sickle cell macrofibers.' *Pathophysiological Aspects of Sickle Cell Disease*. R. Nagel, ed. Alan Liss, New York, 31-46, 1986.

- Carragher, B., Bluemke, D.A., Potel, M.J. and Josephs, R. "The restoration of electron micrographs blurred by drift and rotation." *Proteins Structure, Function, and Genetics*, 1, 2, 176-187, 1986.
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