

Katina Michael

List of Publications by Year in descending order

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Version: 2024-02-01

169
papers

2,797
citations

279798

23
h-index

243625

44
g-index

180
all docs

180
docs citations

180
times ranked

1726
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change and COP26: Are digital technologies and information management part of the problem or the solution? An editorial reflection and call to action. <i>International Journal of Information Management</i> , 2022, 63, 102456.	17.5	240
2	Big Data: New Opportunities and New Challenges [Guest editors' introduction]. <i>Computer</i> , 2013, 46, 22-24.	1.1	221
3	Transforming business using digital innovations: the application of AI, blockchain, cloud and data analytics. <i>Annals of Operations Research</i> , 2022, 308, 7-39.	4.1	168
4	Factors affecting privacy disclosure on social network sites: an integrated model. <i>Electronic Commerce Research</i> , 2013, 13, 151-168.	5.0	136
5	Machine Ethics: The Design and Governance of Ethical AI and Autonomous Systems [Scanning the Issue]. <i>Proceedings of the IEEE</i> , 2019, 107, 509-517.	21.3	118
6	Social acceptance of location-based mobile government services for emergency management. <i>Telematics and Informatics</i> , 2014, 31, 153-171.	5.8	97
7	Control, trust, privacy, and security: evaluating location-based services. <i>IEEE Technology and Society Magazine</i> , 2007, 26, 4-16.	0.8	73
8	The Emerging Ethics of Humancentric GPS Tracking and Monitoring. , 2006, , .		67
9	COVID-19 Contact Trace App Deployments: Learnings From Australia and Singapore. <i>IEEE Consumer Electronics Magazine</i> , 2020, 9, 65-70.	2.3	67
10	Location and tracking of mobile devices: Åœberveillance stalks the streets. <i>Computer Law and Security Review</i> , 2013, 29, 216-228.	2.2	66
11	A research note on ethics in the emerging age of Å¼berveillance. <i>Computer Communications</i> , 2008, 31, 1192-1199.	5.1	55
12	Toward the regulation of ubiquitous mobile government: aÅcase study on location-based emergency services inÅAustralia. <i>Electronic Commerce Research</i> , 2011, 11, 31-74.	5.0	54
13	Lend me your arms: The use and implications of humancentric RFID. <i>Electronic Commerce Research and Applications</i> , 2007, 6, 29-39.	5.0	53
14	Toward a State of Åœberveillance [Special Section Introduction. <i>IEEE Technology and Society Magazine</i> , 2010, 29, 9-16.	0.8	52
15	The social and behavioural implications of location-based services. <i>Journal of Location Based Services</i> , 2011, 5, 121-137.	1.9	51
16	Social Implications of Technology: The Past, the Present, and the Future. <i>Proceedings of the IEEE</i> , 2012, 100, 1752-1781.	21.3	47
17	The regulatory considerations and ethical dilemmas of location-based services (LBS). <i>Information Technology and People</i> , 2014, 27, 2-20.	3.2	45
18	Planetary-Scale RFID Services in an Age of Uberveillance. <i>Proceedings of the IEEE</i> , 2010, 98, 1663-1671.	21.3	41

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19	Algorithmic bias in machine learning-based marketing models. <i>Journal of Business Research</i> , 2022, 144, 201-216.	10.2	40
20	Opportunities and Risks for Citizen Science in the Age of Artificial Intelligence. <i>Citizen Science: Theory and Practice</i> , 2019, 4, .	1.2	38
21	Barriers to RFID Adoption in the Supply Chain. , 2007, , .		29
22	Location-based intelligence - modeling behavior in humans using GPS. , 2006, , .		27
23	Engineering-Based Design Methodology for Embedding Ethics in Autonomous Robots. <i>Proceedings of the IEEE</i> , 2019, 107, 582-599.	21.3	27
24	The RFID-Enabled Dairy Farm: Towards Total Farm Management. , 2008, , .		26
25	Privacy Issues and Solutions in Social Network Sites. <i>IEEE Technology and Society Magazine</i> , 2012, 31, 43-53.	0.8	26
26	Using a social informatics framework to study the effects of location-based social networking on relationships between people: A review of literature. , 2010, , .		24
27	Editorial: In Memoriam of Associate Professor Dr Elaine Lawrence. <i>Journal of Theoretical and Applied Electronic Commerce Research</i> , 2012, 7, 1-2.	5.7	24
28	Exploring the Social Implications of Location Based Social Networking: An Inquiry into the Perceived Positive and Negative Impacts of Using LBSN between Friends. , 2010, , .		22
29	The diffusion of RFID implants for access control and epayments: A case study on Baja Beach Club in Barcelona. , 2010, , .		20
30	Connected: To Everyone and Everything [Guest Editorial: Special Section on Sensors]. <i>IEEE Technology and Society Magazine</i> , 2013, 32, 31-34.	0.8	20
31	Homo Electricus and the Continued Speciation of Humans. , 2007, , 312-318.		20
32	No limits to watching?. <i>Communications of the ACM</i> , 2013, 56, 26-28.	4.5	18
33	Smart Toys that are the Stuff of Nightmares [Editorial]. <i>IEEE Technology and Society Magazine</i> , 2016, 35, 8-10.	0.8	18
34	Socio-Technical Design for Public Interest Technology. <i>IEEE Transactions on Technology and Society</i> , 2021, 2, 55-61.	3.2	18
35	Social-technical issues facing the humancentric RFID implantee sub-culture through the eyes of Amal Graafstra. , 2010, , .		17
36	The future prospects of embedded microchips in humans as unique identifiers: the risks versus the rewards. <i>Media, Culture and Society</i> , 2013, 35, 78-86.	3.1	17

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37	National Security: The Social Implications of the Politics of Transparency. Prometheus, 2006, 24, 359-363.	0.4	16
38	The legal ramifications of microchipping people in the United States of America- A state legislative comparison. , 2009, , .		16
39	Emerging Forms of Covert Surveillance Using GPS-Enabled Devices. Journal of Cases on Information Technology, 2011, 13, 19-33.	0.7	16
40	The Fallout from Emerging Technologies: Surveillance, Social Networks, and Suicide. IEEE Technology and Society Magazine, 2011, 30, 13-17.	0.8	15
41	Unintended Consequences of Living with AI: The Paradox of Technological Potential?Part II [Guest Editorial]. IEEE Technology and Society Magazine, 2016, 35, 17-21.	0.8	15
42	Beyond Mere Compliance of RFID Regulations by the Farming Community: A Case Study of the Cochrane Dairy Farm. , 2007, , .		14
43	Minimizing Product Shrinkage across the Supply Chain using Radio Frequency Identification: a Case Study on a Major Australian Retailer. , 2007, , .		14
44	Monitoring people using location-based social networking and its negative impact on trust. , 2011, , .		14
45	Location-Based Social Networking: Impact on Trust in Relationships. IEEE Technology and Society Magazine, 2012, 31, 39-50.	0.8	14
46	Ethics in AI and Autonomous System Applications Design. IEEE Transactions on Technology and Society, 2020, 1, 114-127.	3.2	13
47	We've Got to Do Better [Editorial]. IEEE Technology and Society Magazine, 2014, 33, 5-7.	0.8	12
48	Novel NFC Applications to Enrich Our Connections: The NFC Forum Innovation Awards. IEEE Consumer Electronics Magazine, 2017, 6, 118-121.	2.3	12
49	Ubervveillance. , 2009, , 464-484.		12
50	Human Rights, Regulation, and National Security [Introduction]. IEEE Technology and Society Magazine, 2012, 31, 15-16.	0.8	11
51	Bots Trending Now: Disinformation and Calculated Manipulation of the Masses [Editorial]. IEEE Technology and Society Magazine, 2017, 36, 6-11.	0.8	11
52	Manufacturing Consent: The Modern Pandemic of Technosolutionism. IEEE Transactions on Technology and Society, 2020, 1, 68-72.	3.2	11
53	Location-Based Services for Emergency Management: A Multi-stakeholder Perspective. , 2009, , .		10
54	Privacy, Data Rights and Cybersecurity: Technology for Good in the Achievement of Sustainable Development Goals. , 2019, , .		10

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55	Co-Designing the Future With Public Interest Technology. IEEE Technology and Society Magazine, 2021, 40, 10-15.	0.8	10
56	Location-Based Privacy, Protection, Safety, and Security. Computer Communications and Networks, 2015, , 391-414.	0.8	10
57	Sketching and validating the location-based services (LBS) regulatory framework in Australia. Computer Law and Security Review, 2013, 29, 576-589.	2.2	9
58	RFID/NFC Implants for Bitcoin Transactions. IEEE Consumer Electronics Magazine, 2016, 5, 103-106.	2.3	9
59	Whose Body Is It?: The body as physical capital in a techno-society. IEEE Consumer Electronics Magazine, 2016, 5, 107-114.	2.3	9
60	Implementing 'Namebers' Using Microchip Implants: The Black Box Beneath The Skin. , 2012, , 163-206.		9
61	Indian Millennials: Are microchip implants a more secure technology for identification and access control?. , 2012, , .		8
62	Drones Humanus [Introduction to the Special Issue]. IEEE Technology and Society Magazine, 2014, 33, 38-39.	0.8	8
63	The social phenomenon of body-modifying in a world of technological change: past, present, future. , 2016, , .		8
64	You Want to Do What with RFID?: Perceptions of radio-frequency identification implants for employee identification in the workplace. IEEE Consumer Electronics Magazine, 2017, 6, 111-117.	2.3	8
65	RFID Adoption Issues: Analysis of Organizational Benefits and Risks. SSRN Electronic Journal, 0, , .	0.4	8
66	Machine Learning, Convergence Digitalization, and the Concentration of Power: Enslavement by Design Using Techno-Biological Behaviors. IEEE Transactions on Technology and Society, 2022, 3, 76-88.	3.2	8
67	Privacy, Value and Control Issues in Four Mobile Business Applications. , 2008, , .		7
68	The Implications of Iris-Recognition Technologies: Will our eyes be our keys?. IEEE Consumer Electronics Magazine, 2016, 5, 95-102.	2.3	7
69	Age Appropriate Digital Services for Young People: Major Reforms. IEEE Consumer Electronics Magazine, 2021, 10, 40-48.	2.3	7
70	Biometrics and AI Bias. IEEE Transactions on Technology and Society, 2022, 3, 2-8.	3.2	7
71	The legal, social and ethical controversy of the collection and storage of fingerprint profiles and DNA samples in forensic science. , 2010, , .		6
72	Editorial: special issue on Service-Based Electronic Commerce Systems. Electronic Commerce Research, 2013, 13, 125-127.	5.0	6

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73	The Packbots Are Coming: Boosting security at the 2014 FIFA World Cup.. IEEE Consumer Electronics Magazine, 2014, 3, 59-61.	2.3	6
74	Wiener's Cybernetics Legacy and the Growing Need for the Interdisciplinary Approach [Scanning Our Past]. Proceedings of the IEEE, 2015, 103, 2208-2214.	21.3	6
75	Are You Addicted to Your Smartphone, Social Media, and More?: The New AntiSocial App Could Help. IEEE Consumer Electronics Magazine, 2017, 6, 116-121.	2.3	6
76	Beyond Human: Lifelogging and Life Extension [Editorial]. IEEE Technology and Society Magazine, 2014, 33, 4-6.	0.8	5
77	Digital Wearability Scenarios: Trialability on the run. IEEE Consumer Electronics Magazine, 2015, 4, 82-91.	2.3	5
78	Key government agency perspectives on location based services regulation. Computer Law and Security Review, 2015, 31, 736-748.	2.2	5
79	Unintended Consequences: The Paradox of Technological Potential. IEEE Potentials, 2016, 35, 7-10.	0.3	5
80	A theory of exposure: Measuring technology system end user vulnerabilities. , 2017, , .		5
81	Managing Technological Vulnerability of Urban Dwellers: Analysis, Trends, and Solutions. IEEE Transactions on Technology and Society, 2020, 1, 48-59.	3.2	5
82	Realized Applications of Positioning Technologies in Defense Intelligence. , 2006, , 167-195.		5
83	Knowledge Sharing and Organizational Change in a Leading Telecommunications Equipment Vendor. Journal of Cases on Information Technology, 2007, 9, 50-70.	0.7	5
84	The Value of Government Mandated Location-Based Services in Emergencies in Australia. Journal of Information Technology Research, 2011, 4, 41-68.	0.5	5
85	The Advancement of Positioning Technologies in Defense Intelligence. , 2006, , 196-220.		5
86	Effective and Trustworthy Implementation of AI Soft Law Governance. IEEE Transactions on Technology and Society, 2021, 2, 168-170.	3.2	5
87	Historical Lessons on ID Technology and the Consequences of an Unchecked Trajectory. Prometheus, 2006, 24, 365-377.	0.4	4
88	Advanced location-based services. Computer Communications, 2008, 31, 1053-1054.	5.1	4
89	High-tech lust [Editorial]. IEEE Technology and Society Magazine, 2013, 32, 4-5.	0.8	4
90	For Now We See Through a Glass, Darkly [Editorial]. IEEE Technology and Society Magazine, 2013, 32, 4-5.	0.8	4

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91	Can Good Standards Propel Unethical Technologies? [Editorial]. IEEE Technology and Society Magazine, 2016, 35, 6-9.	0.8	4
92	Brain Pacemakers in Consumer Medical Electronics Improve Quality of Life: Benefits, Risks, and Challenges. IEEE Consumer Electronics Magazine, 2018, 7, 82-85.	2.3	4
93	Public Interest Technology, Citizen Assemblies, and Performative Governance. IEEE Technology and Society Magazine, 2021, 40, 6-9.	0.8	4
94	The Use of Information and Communication Technology for the Preservation of Aboriginal Culture. , 2007, , 170-174.		4
95	The Socio-Ethical Considerations Surrounding Government Mandated Location-Based Services during Emergencies. , 0, , 129-154.		4
96	Modern Indentured Servitude in the Gig Economy: A Case Study on the Deregulation of the Taxi Industry in the United States. IEEE Technology and Society Magazine, 2022, 41, 30-41.	0.8	4
97	RFID-Enabled Inventory Control Optimization: A Proof of Concept in a Small-to-Medium Retailer. , 2010, , .		3
98	Ethical Issues to Consider for Microchip Implants in Humans. Ethics in Biology, Engineering & Medicine, 2012, 3, 75-86.	0.1	3
99	The Converging Veillances: Border Crossings in an Interconnected World. IEEE Potentials, 2016, 35, 23-25.	0.3	3
100	Socioethical Approaches to Robotics Development [From the Guest Editors]. IEEE Robotics and Automation Magazine, 2018, 25, 26-28.	2.0	3
101	Why some people do not use Facebook?. Social Network Analysis and Mining, 2019, 9, 1.	2.8	3
102	Overcoming Visibility Issues in a Small-to-Medium Retailer Using Automatic Identification and Data Capture Technology. International Journal of E-Business Research, 2010, 6, 21-44.	1.0	3
103	Vendor Perceptions of How RFID can Minimize Product Shrinkage in the Retail Supply Chain. , 2007, , .		2
104	The Current State of Commercial Location-Based Service Offerings in Australia. , 2009, , .		2
105	Privacy - The times they are a-changin' [Introduction]. IEEE Technology and Society Magazine, 2012, 31, 20-21.	0.8	2
106	Putting Technology into Perspective in Asia [Editorial]. IEEE Technology and Society Magazine, 2013, 32, 5-6.	0.8	2
107	Social and Economic Sustainability [Guest Editorial]. IEEE Technology and Society Magazine, 2015, 34, 17-18.	0.8	2
108	Assessing technology system contributions to urban dweller vulnerabilities. Technology in Society, 2017, 50, 83-92.	9.4	2

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109	Religion, Science, and Technology: An Interview with Metropolitan Kallistos Ware [Interview]. IEEE Technology and Society Magazine, 2017, 36, 20-26.	0.8	2
110	Urban flood modelling using geo-social intelligence. , 2017, , .		2
111	Brain Pacemakers in Consumer Medical Electronics Improve Quality of Life-Part II: The Need for Patient Feedback in the Product Lifecycle Management. IEEE Consumer Electronics Magazine, 2018, 7, 51-54.	2.3	2
112	Microchipping People is a "Bad Idea": Interview with Andreas Sjostrom [Leading Edge]. IEEE Technology and Society Magazine, 2019, 38, 18-39.	0.8	2
113	Anticipating Techno-Economic Fallout: Purpose-Driven Socio-Technical Innovation. IEEE Transactions on Technology and Society, 2021, 2, 111-113.	3.2	2
114	Editorial: After Five Years. Journal of Theoretical and Applied Electronic Commerce Research, 2011, 6, 1-2.	5.7	2
115	Towards a Conceptual Model of User Acceptance of Location-Based Emergency Services. International Journal of Ambient Computing and Intelligence, 2013, 5, 17-34.	1.1	2
116	What Can People Do with Your Spatial Data?. Advances in Information Security, Privacy, and Ethics Book Series, 0, , 206-237.	0.5	2
117	Co-Designing Location-Based Services for Individuals Living With Dementia: An Overview of Present and Future Modes of Operation. IEEE Technology and Society Magazine, 2022, 41, 42-46.	0.8	2
118	Location and interactive services not only at your fingertips but under your skin. , 2009, , .		1
119	The Idio-Technopolis [Editorial]. IEEE Technology and Society Magazine, 2012, 31, 5-12.	0.8	1
120	"You Talkin' to Me?" [Editorial]. IEEE Technology and Society Magazine, 2012, 31, 5-10.	0.8	1
121	The State-Society Relationship: Big Data's Big Future - But for Whom [Editorial]. IEEE Technology and Society Magazine, 2014, 33, 7-8.	0.8	1
122	Sociology of the docile body. , 2016, , .		1
123	Smart Infrastructure and Technology Systems Ethics. IEEE Transactions on Technology and Society, 2021, 2, 2-3.	3.2	1
124	Assistive Technologies for Greatly Improved Quality of Life for People Living With MND/ALS. IEEE Consumer Electronics Magazine, 2021, 10, 76-81.	2.3	1
125	Biometrics. , 2009, , 191-233.		1
126	The Rise of the Electrophorus. , 2009, , 401-463.		1

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127	RFID Tags and Transponders. , 2009, , 234-272.		1
128	Using RFID to Overcome Inventory Control Challenges: A Proof of Concept. Lecture Notes in Computer Science, 2009, , 353-366.	1.3	1
129	Humans in the Loop: Learning to Trust in AI but to What Extent?. IEEE Transactions on Technology and Society, 2020, 1, 174-174.	3.2	1
130	Towards the Blanket Coverage DNA Profiling and Sampling of Citizens in England, Wales, and Northern Ireland. Advances in Human and Social Aspects of Technology Book Series, 0, , 187-207.	0.3	1
131	The Socio-Ethical Considerations Surrounding Government Mandated Location-Based Services during Emergencies. , 0, , 918-943.		1
132	Societal Implications of Wearable Technology. Advances in Information Security, Privacy, and Ethics Book Series, 0, , 238-266.	0.5	1
133	Body Modifications and Their Health Implications. , 2020, , .		1
134	The Hybridization of Automatic Identification Techniques in Mass Market Applications: Towards a Model of Coexistence. , 2006, , .		0
135	Heaven and Hell: Visions for Pervasive Adaptation. Procedia Computer Science, 2011, 7, 81-82.	2.0	0
136	IEEE T&S Magazine: Undergoing Transformation [Editorial]. IEEE Technology and Society Magazine, 2012, 31, 5-6.	0.8	0
137	Social Implications of Technology: "Il buono, il brutto, il cattivo" [Editorial]. IEEE Technology and Society Magazine, 2012, 31, 4-5.	0.8	0
138	Risk, complexity and sustainability [special section introduction]. IEEE Technology and Society Magazine, 2013, 32, 12-12.	0.8	0
139	Impacts: At the intersection between the worlds of consumer electronics and socioeconomics.. IEEE Consumer Electronics Magazine, 2014, 3, 57-58.	2.3	0
140	Reflecting on the Contribution of T&S Magazine to the IEEE [Editorial]. IEEE Technology and Society Magazine, 2015, 34, 9-14.	0.8	0
141	Gone Fishing: Breaking with the Biometric Rhythm of Tech-Centricism [Editorial]. IEEE Technology and Society Magazine, 2016, 35, 6-9.	0.8	0
142	Not So Fast [Book Reviews]. IEEE Technology and Society Magazine, 2017, 36, 24-26.	0.8	0
143	Go Get Chipped: A Brief Overview of Non-Medical Implants Between 2013-2017 (Part 2) [Editorial]. IEEE Technology and Society Magazine, 2017, 36, 6-12.	0.8	0
144	Location-based Social Media Use in Families : Qualitative Outcomes from Participant Observations. , 2018, , .		0

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145	Sylvia Mercado Kierkegaard (1953â€“2015). Computer Law and Security Review, 2018, 34, 671-676.	2.2	0
146	ISTAS 2018: Technology, Ethics, and Policy [Special Issue Introduction]. IEEE Technology and Society Magazine, 2019, 38, 21-23.	0.8	0
147	Consumer Electronic Instrument Search and Seizure at International Borders: New Laws Allow Border Agents to Demand Passwords for Digital Devices. IEEE Consumer Electronics Magazine, 2019, 8, 90-93.	2.3	0
148	Films from the Future [Book Review]. IEEE Technology and Society Magazine, 2019, 38, 9-10.	0.8	0
149	DARPA's ADAPTER Program: Applying the ELSI Approach to a Semi-Autonomous Complex Socio-Technical System. , 2021, , .		0
150	The Advancement of Positioning Technologies in Defense Intelligence. , 2008, , 1305-1322.		0
151	Realized Applications of Positioning Technologies in Defense Intelligence. , 2008, , 1975-1993.		0
152	The Use of Information and Communication Technology for the Preservation of Aboriginal Culture. , 2008, , 2652-2655.		0
153	Geographic Information Systems & Location-Based Services. , 2009, , 290-327.		0
154	Barcode. , 2009, , 90-115.		0
155	Magnetic-Stripe Cards. , 2009, , 116-153.		0
156	Smart Cards. , 2009, , 154-190.		0
157	Innovation Studies. , 2009, , 25-42.		0
158	The Socio-Ethical Implications of Automatic Identification and Location Services. , 2009, , 364-400.		0
159	Globalization and the Changing Face of IDentification. , 2009, , 72-88.		0
160	The Auto-ID Trajectory. , 2009, , 329-363.		0
161	The Auto-ID Technology System. , 2009, , 273-289.		0
162	Recommendations for Australiaâ€™s Implementation of the National Emergency Warning System Using Location-Based Services. CIM Journal, 2011, 3, 59-66.	0.6	0

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163	Emerging Forms of Covert Surveillance Using GPS-Enabled Devices. , 2012, , 366-384.		0
164	Emerging Forms of Covert Surveillance Using GPS-Enabled Devices. , 2013, , 112-130.		0
165	Societal Implications of Wearable Technology. , 2018, , 1095-1117.		0
166	The Value of Government Mandated Location-Based Services in Emergencies in Australia. , 0, , 244-272.		0
167	Overcoming Visibility Issues in a Small-to-Medium Retailer Using Automatic Identification and Data Capture Technology. , 0, , 20-44.		0
168	Deep brain stimulation: At your own risk. , 2021, , .		0
169	Capitalism and the Enchanted Screen: Myths and Allegories in the Digital Age” Aleks Wansbrough (London, U.K.: Bloomsbury Publishing, 2021, 232 pp.). IEEE Technology and Society Magazine, 2022, 41, 10-13.	0.8	0