Mirco Musolesi

List of Publications by Year in Descending Order

108 papers	5,480 citations	36 h-index	73 g-index
120 ext. papers	6,555 ext. citations	3 avg, IF	6.07 L-index

#	Paper	IF	Citations
108	Designing Robust Models for Behaviour Prediction Using Sparse Data from Mobile Sensing. *ACM Transactions on Computing for Healthcare*, **2021**, 2, 1-33	2.6	0
107	Interpretable Machine Learning for Privacy-Preserving Pervasive Systems. *IEEE Pervasive Computing* , **2020**, 19, 73-82	1.3	4
106	Quantifying the Relationships between Everyday Objects and Emotional States through Deep Learning Based Image Analysis Using Smartphones **2020**, 4, 1-21		7
105	A Multi-perspective Analysis of Social Context and Personal Factors in Office Settings for the Design of an Effective Mobile Notification System **2020**, 4, 1-38		2
104	PokeME **2020**,		2
103	Where You Go Matters **2020**, 4, 1-32		1
102	Predicting and Explaining Privacy Risk Exposure in Mobility Data. *Lecture Notes in Computer Science*, **2020**, 403-418	0.9	1
101	Intelligent Notification Systems. *Synthesis Lectures on Mobile and Pervasive Computing*, **2020**, 11, 1-75	0	1
100	Evaluating Machine Learning Algorithms for Prediction of the Adverse Valence Index Based on the Photographic Affect Meter **2019**,		2
99	NotifyMeHere **2019**,		6
98	FutureWare: Designing a Middleware for Anticipatory Mobile Computing. *IEEE Transactions on Software Engineering*, **2019**, 1-1	3.5	0
97	Sensing and Modeling Human Behavior Using Social Media and Mobile Data **2018**, 313-319		2
96	A comparison of spatial-based targeted disease mitigation strategies using mobile phone data. *EPJ Data Science*, **2018**, 7,	3.4	10
95	Under and over the surface: a comparison of the use of leaked account credentials in the Dark and Surface Web. *Crime Science*, **2018**, 7,	6.6	3
94	Analyzing and predicting the spatial penetration of Airbnb in U.S. cities. *EPJ Data Science*, **2018**, 7,	3.4	19
93	The hidden image of mobile apps **2018**,		20
92	Precise time-matching in chimpanzee allogrooming does not occur after a short delay. *PLoS ONE*, **2018**, 13, e0201810	3.7	2

91	Using Autoencoders to Automatically Extract Mobility Features for Predicting Depressive States **2018**, 2, 1-20		21
90	Predicting the temporal activity patterns of new venues. *EPJ Data Science*, **2018**, 7, 13	3.4	12
89	Kissing Cuisines **2017**,		31
88	Non-parametric causality detection: An application to social media and financial data. *Physica A: Statistical Mechanics and Its Applications*, **2017**, 483, 139-155	3.3	7
87	Anonymous or Not? Understanding the Factors Affecting Personal Mobile Data Disclosure. *ACM Transactions on Internet Technology*, **2017**, 17, 1-19	3.8	10
86	A large-scale study of cultural differences using urban data about eating and drinking preferences. *Information Systems*, **2017**, 72, 95-116	2.7	9
85	Interpretable Machine Learning for Mobile Notification Management. *GetMobile (New York, N Y)*, **2017**, 21, 35-38	0.8	5
84	The Effect of Timing and Frequency of Push Notifications on Usage of a Smartphone-Based Stress Management Intervention: An Exploratory Trial. *PLoS ONE*, **2017**, 12, e0169162	3.7	57
83	Are you getting sick? Predicting influenza-like symptoms using human mobility behaviors. *EPJ Data Science*, **2017**, 6, 27	3.4	19
82	If I build it, will they come? **2017**,		5
81	Understanding the Role of Places and Activities on Mobile Phone Interaction and Usage Patterns **2017**, 1, 1-22		20
80	MyTraces **2017**, 1, 1-21		26
79	Using human raters to characterize the psychological characteristics of GPS-based places **2017**,		8
78	Designing Effective Movement Digital Biomarkers for Unobtrusive Emotional State Mobile Monitoring **2017**,		10
77	Avoiding pitfalls when using machine learning in HCI studies. *Interactions*, **2017**, 24, 34-37	1	9
76	Anticipatory Mobile Digital Health: Towards Personalized Proactive Therapies and Prevention Strategies **2017**, 253-267		1
75	A multilayer approach to multiplexity and link prediction in online geo-social networks. *EPJ Data Science*, **2016**, 5, 24	3.4	59
74	Who Benefits from the "Sharing" Economy of Airbnb? **2016**,		111

73	My Phone and Me **2016**,		110
72	Mobile-Based Experience Sampling for Behaviour Research. *Human-computer Interaction Series*, **2016**, 141-161	0.6	9
71	Towards multi-modal anticipatory monitoring of depressive states through the analysis of human-smartphone interaction **2016**,		37
70	PrefMiner **2016**,		77
69	Spatio-temporal networks: reachability, centrality and robustness. *Royal Society Open Science*, **2016**, 3, 160196	3.3	37
68	. *IEEE Transactions on Evolutionary Computation*, **2016**, 1-1	15.6	18
67	Measuring Urban Social Diversity Using Interconnected Geo-Social Networks **2016**,		56
66	Explaining the power-law distribution of human mobility through transportation modality decomposition. *Scientific Reports*, **2015**, 5, 9136	4.9	62
65	Anticipatory Mobile Computing. *ACM Computing Surveys*, **2015**, 47, 1-29	13.4	107
64	Trajectories of depression **2015**,		233
63	Designing content-driven intelligent notification mechanisms for mobile applications **2015**,		97
62	Spatio-temporal techniques for user identification by means of GPS mobility data. *EPJ Data Science*, **2015**, 4,	3.4	25
61	Investigating causality in human behavior from smartphone sensor data: a quasi-experimental approach. *EPJ Data Science*, **2015**, 4,	3.4	28
60	Investigating The Role of Task Engagement in Mobile Interruptibility **2015**,		22
59	Ask, but don₩ interrupt **2015**,		22
58	Mobile crowd sensing: part 2 [Guest Editorial] **2014**, 52, 76-77		2
57	Big Mobile Data Mining: Good or Evil?. *IEEE Internet Computing*, **2014**, 18, 78-81	2.4	34
56	Mobile crowd sensing: Part 1 [Guest Editorial] **2014**, 52, 20-21		3

55	Anticipatory mobile computing for behaviour change interventions **2014**,		28
54	InterruptMe **2014**,		165
53	The Uncertainty of Identity Toolset **2014**,		1
52	SenSocial **2014**,		25
51	Software engineering for mobility: reflecting on the past, peering into the future **2014**,		14
50	It's the way you check-in **2014**,		38
49	Smartphones for Large-Scale Behavior Change Interventions. *IEEE Pervasive Computing*, **2013**, 12, 66-73	1.3	131
48	Introduction to the special issue on social networks and ubiquitous interactions. *International Journal of Human Computer Studies*, **2013**, 71, 859-861	4.6	2
47	Interdependence and predictability of human mobility and social interactions. *Pervasive and Mobile Computing*, **2013**, 9, 798-807	3.5	78
46	Graph Metrics for Temporal Networks. *Understanding Complex Systems*, **2013**, 15-40	0.4	98
45	Applications of Temporal Graph Metrics to Real-World Networks. *Understanding Complex Systems*, **2013**, 135-159	0.4	15
44	**2012**,		7
43	Components in time-varying graphs. *Chaos*, **2012**, 22, 023101	3.3	67
42	Community Detection in Social and Biological Networks Using Differential Evolution. *Lecture Notes in Computer Science*, **2012**, 71-85	0.9	30
41	Spatial dissemination metrics for location-based social networks **2012**,		13
40	Community Detection Using Cooperative Co-evolutionary Differential Evolution. *Lecture Notes in Computer Science*, **2012**, 235-244	0.9	9
39	SociableSense **2011**,		125
38	Track globally, deliver locally **2011**,		84

37	Exploiting temporal complex network metrics in mobile malware containment **2011**,		21
36	NextPlace: A Spatio-temporal Prediction Framework for Pervasive Systems. *Lecture Notes in Computer Science*, **2011**, 152-169	0.9	124
35	EmotionSense **2010**,		284
34	On Nonstationarity of Human Contact Networks **2010**,		10
33	Analysing information flows and key mediators through temporal centrality metrics **2010**,		79
32	Characterising temporal distance and reachability in mobile and online social networks. *Computer Communication Review*, **2010**, 40, 118-124	1.4	79
31	Supporting Energy-Efficient Uploading Strategies for Continuous Sensing Applications on Mobile Phones. *Lecture Notes in Computer Science*, **2010**, 355-372	0.9	40
30	MetroTrack: Predictive Tracking of Mobile Events Using Mobile Phones. *Lecture Notes in Computer Science*, **2010**, 230-243	0.9	7
29	Mobility Models for Systems Evaluation **2009**, 43-62		45
28	Temporal distance metrics for social network analysis **2009**,		101
27	CAR: Context-Aware Adaptive Routing for Delay-Tolerant Mobile Networks. *IEEE Transactions on Mobile Computing*, **2009**, 8, 246-260	4.6	170
26	Socially-aware routing for publish-subscribe in delay-tolerant mobile ad hoc networks. *IEEE Journal on Selected Areas in Communications*, **2008**, 26, 748-760	14.2	308
25	Sensing meets mobile social networks **2008**,		611
24	Urban sensing systems **2008**,		134
23	The Rise of People-Centric Sensing. *IEEE Internet Computing*, **2008**, 12, 12-21	2.4	371
22	Writing on the clean slate: Implementing a socially-aware protocol in Haggle **2008**,		16
21	Integrating sensor presence into virtual worlds using mobile phones **2008**,		8
20	Transforming the social networking experience with sensing presence from mobile phones **2008**,		10

19	When cars start gossiping **2008**,		10
18	A framework for multi-region delay tolerant networking **2008**,		4
17	Epcast: Controlled Dissemination in Human-Based Wireless Networks Using Epidemic Spreading Models. *Lecture Notes in Computer Science*, **2008**, 295-306	0.9	1
16	Predictive Resource Scheduling in Computational Grids **2007**,		11
15	CTG **2007**,		14
14	Designing mobility models based on social network theory. *Mobile Computing and Communications Review*, **2007**, 11, 59-70		191
13	TACO-DTN **2007**,		40
12	Opportunistic Mobile Sensor Data Collection with SCAR **2007**,		36
11	Data collection in delay tolerant mobile sensor networks using SCAR **2006**,		3
10	A community based mobility model for ad hoc network research **2006**,		167
9	SCAR **2006**,		24
8	**2006**,		6
7	**2006**,		6
6	EMMA: Epidemic Messaging Middleware for Ad hoc networks. *Personal and Ubiquitous Computing*, **2006**, 10, 28-36	2.1	28
5	Designing a context-aware middleware for asynchronous communication in mobile ad hoc environments **2004**,		4
4	Adapting asynchronous messaging middleware to ad hoc networking **2004**,		12
3	An ad hoc mobility model founded on social network theory **2004**,		82
2	Characterizing animal movement patterns across different scales and habitats using information theory		2

1 The role of space, time and sociability in predicting social encounters. *Environment and Planning B: Urban Analytics and City Science*,239980832110168 2