

Bibliography on Mobile Computing, Adaptive Systems and Distributed Computing

(mainly included in PhD Thesis « Adaptive Distribution Environment for Applications in a Mobile Context » [314] and in HDR Thesis « Complexity of Ambient Software: from Composition to Distributed, Contextual, Autonomous, Large-scale Execution » [319])

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March 5, 2021

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Contents

1	My publications	3
1.1	Adaptative Systems	3
1.1.1	Aspect-oriented, Run-time adaptive and Dynamic Programming Languages for the Java Virtual Machine	3
1.1.2	Adaptative Components for Mobile and Distributed Computing	3
1.1.3	Services Composition and Integration in Distributed Computing	3
1.1.4	Services Composition and Integration in Pervasive Environments	3
1.1.5	Services Loading and Deployment for a Minimal and Extensible Middleware in Pervasive Environments	3
1.1.6	Bridging IoT and Cloud Services: Smartphones as Mobile and Autonomic Service Gateways for Proximity Mobile Cloud Offloading	3
1.1.7	Service Optimization for Traffic Management in Vehicular Networks at Different Scales in Smart Cities	3
1.1.8	Social and Mobile Services Delivery and Deployment in Wireless and Mobile DTN	3
1.1.9	Measuring Urban Mobility for a Citizenship Service Cartography and Parking Assistance in Smart Cities	3
1.1.10	Distributed Stream Processing in the Edge: The Internet of Things / Vehicular Usecases	3

1.1.11	Distributed, Robust, Efficient IoT-based Services for a Real-time Management of Urban Crisis in Smart Cities	4
1.1.12	Distributed, Robust, Efficient IoT-based Services for a Real-time Management of Oil Pipelines	4
1.1.13	Spontaneous Proximity Documents	4
1.1.14	Security, Trust, Privacy in Pervasive / IoT Environments	4
1.2	Projects	4
1.2.1	Bilateral Contract: ALGOSECURE	4
1.2.2	ARC 7 Region	4
1.2.3	French Ministerial RNTL Project: ARCAD	4
1.2.4	European IST Project: AMIGO	4
1.2.5	Colombian Universidad Militar Nueva Granada	4
1.2.6	INRIA ARC: PRIAM	4
1.2.7	PTDF - Petroleum Technology Development Fund	4
1.2.8	Explora'Pro Region Mobility Grant	4
1.2.9	SPIE ICS / INSA Chair	5
1.2.10	Bilateral Contract: Valeo	5
1.3	Lectures	5
1.4	Pedagogic Approaches for Learning	5
2	Mobile Computing	6
2.1	Hardware	6
2.1.1	Terminals: Laptop, Notebook, Handheld PC, Pocket PC, Palm	6
2.1.2	Networks: Satellite, GSM, WLAN, IrDA vs. High Speed LAN	6
2.1.3	Embedded Operating Systems	6
2.2	Mobility and Adaptation	6
2.2.1	Tranparency Approaches	6
2.2.2	Adaptation Needs	6
2.2.3	Reflexive Approaches	6
2.2.4	Ubiquitous approaches	6
2.3	Adaptation Strategies	6
2.3.1	Adaptive Data Management Systems	6
2.3.2	Adaptive Resources Management Systems	7
3	Conception paradigms	7
3.1	Object-oriented languages	7
3.2	(Object Component Interaction Aspect)-oriented design and model	7
3.2.1	Coordination and adaptation techniques	7
4	Miscellaneous	7
4.1	Dictionary	8
	References	9

1 My publications

1.1 Adaptative Systems

[179, 180, 181, 235, 309, 441, 443]

1.1.1 Aspect-oriented, Run-time adaptive and Dynamic Programming Languages for the Java Virtual Machine

[106, 367, 427, 428, 429, 430, 431, 432, 433, 434]

1.1.2 Adaptative Components for Mobile and Distributed Computing

[14, 178, 312, 314, 321, 322, 323, 324, 333, 334]

1.1.3 Services Composition and Integration in Distributed Computing

[233, 237, 238, 330, 441]

1.1.4 Services Composition and Integration in Pervasive Environments

[232, 234, 235, 236, 239, 240, 241, 242, 280, 326, 327, 328, 331, 361, 464]

1.1.5 Services Loading and Deployment for a Minimal and Extensible Middleware in Pervasive Environments

[48, 50, 51, 52, 53, 54, 117]

1.1.6 Bridging IoT and Cloud Services: Smartphones as Mobile and Autonomic Service Gateways for Proximity Mobile Cloud Offloading

[73, 74, 75, 189, 190, 191, 192, 193, 320, 332]

1.1.7 Service Optimization for Traffic Management in Vehicular Networks at Different Scales in Smart Cities

[335, 336, 337, 338, 339, 340, 341, 342, 343]

1.1.8 Social and Mobile Services Delivery and Deployment in Wireless and Mobile DTN

[131, 537, 538, 539]

1.1.9 Measuring Urban Mobility for a Citizenship Service Cartography and Parking Assistance in Smart Cities

[351, 352, 353, 354, 355, 356, 357, 358, 442, 560]

1.1.10 Distributed Stream Processing in the Edge: The Internet of Things / Vehicular Usecases

[168, 560]

1.1.11 Distributed, Robust, Efficient IoT-based Services for a Real-time Management of Urban Crisis in Smart Cities

[147, 185, 329, 414, 439, 440]

1.1.12 Distributed, Robust, Efficient IoT-based Services for a Real-time Management of Oil Pipelines

[8]

1.1.13 Spontaneous Proximity Documents

[49]

1.1.14 Security, Trust, Privacy in Pervasive / IoT Environments

[89, 349, 521, 522, 523, 524]

1.2 Projects

1.2.1 Bilateral Contract: ALGOSECURE

[521, 522, 523, 524]

1.2.2 ARC 7 Region

[351, 352, 353, 354, 355, 356, 357]

1.2.3 French Ministerial RNTL Project: ARCAD

[345]

1.2.4 European IST Project: AMIGO

[7, 55, 56, 57, 280, 448]

1.2.5 Colombian Universidad Militar Nueva Granada

[414]

1.2.6 INRIA ARC: PRIAM

[89, 349]

1.2.7 PTDF - Petroleum Technology Development Fund

[8]

1.2.8 Explora'Pro Region Mobility Grant

[353, 354, 361, 441, 442, 560]

1.2.9 SPIE ICS / INSA Chair

[168]

1.2.10 Bilateral Contract: Valeo

[335, 336, 337, 338, 339, 340, 341, 342, 343]

1.3 Lectures

[308, 313, 316, 317, 318, 325]

1.4 Pedagogic Approaches for Learning

[315, 497]

2 Mobile Computing

[167, 221, 251, 468, 476, 478]

2.1 Hardware

2.1.1 Terminals: Laptop, Notebook, Handheld PC, Pocket PC, Palm

[107, 132, 148, 215, 223, 231, 243, 246, 413, 1, 421, 438, 530, 532]

2.1.2 Networks: Satellite, GSM, WLAN, IrDA vs. High Speed LAN

[2, 3, 4, 10, 20, 77, 134, 158, 159, 160, 186, 218, 244, 245, 247, 248, 249, 250, 252, 253, 254, 255, 256, 266, 385, 409, 437, 473, 475, 485, 489, 491, 516]

2.1.3 Embedded Operating Systems

[359, 373, 532]

2.2 Mobility and Adaptation

2.2.1 Transparency Approaches

[15, 16, 28, 30, 32, 33, 34, 35, 70, 71, 87, 96, 97, 118, 119, 146, 153, 163, 164, 188, 201, 214, 216, 217, 226, 228, 229, 257, 263, 267, 271, 286, 287, 291, 298, 307, 364, 370, 382, 387, 390, 391, 419, 420, 435, 446, 447, 465, 467, 469, 477, 480, 484, 488, 496, 512, 517, 520, 533, 534, 540, 554, 556, 557, 562]

2.2.2 Adaptation Needs

[17, 18, 27, 31, 69, 99, 101, 115, 140, 141, 142, 143, 150, 154, 162, 182, 183, 259, 260, 261, 262, 283, 372, 381, 392, 393, 395, 396, 418, 470, 541, 544, 545, 546, 569, 570, 571]

2.2.3 Reflexive Approaches

[11, 59, 72, 79, 83, 84, 88, 90, 103, 108, 109, 111, 124, 125, 126, 127, 128, 135, 155, 161, 184, 195, 196, 200, 264, 265, 288, 289, 292, 293, 295, 296, 297, 299, 344, 348, 365, 366, 369, 404, 405, 406, 407, 411, 455, 456, 457, 466, 487, 490, 498, 499, 514, 515, 527, 535, 548, 549, 550, 551, 552, 558, 563, 564]

2.2.4 Ubiquitous approaches

[472, 492, 526]

2.3 Adaptation Strategies

2.3.1 Adaptive Data Management Systems

Data Transformations [9, 31, 67, 116, 171, 173, 209, 258, 277, 278, 282, 283, 294, 350, 543, 553, 575]

Data Prefetching [68, 123, 129, 144, 224, 279, 303, 305, 307, 347, 362, 363, 382, 394, 410, 415, 471, 513]

Replication & Consistency [12, 23, 24, 25, 112, 113, 114, 139, 149, 156, 212, 219, 284, 285, 298, 304, 305, 306, 307, 382, 412, 422, 423, 449, 450, 451, 452, 453, 454, 459, 493, 494, 518, 519, 565]

2.3.2 Adaptive Resources Management Systems

Resources Naming, Discovery, Localization [5, 26, 36, 130, 137, 199, 210, 211, 273, 310, 374, 377, 379, 380, 398, 401, 462, 503, 505, 509, 529, 542, 547, 555]

Resources Monitoring [227, 417, 525]

Distributed Computing Models [22, 85, 121, 151, 169, 187, 198, 371, 375, 388, 495, 500, 506, 510]

Extended Client/Server Model [29, 35, 98, 225, 272, 275, 276, 290, 311, 376, 397, 400, 403, 504, 507, 508, 566, 567, 568]

Agent Model [6, 19, 37, 47, 58, 61, 62, 86, 170, 176, 202, 203, 204, 205, 206, 207, 269, 274, 301, 302, 378, 416, 445]

Tuple Space Model [92, 104, 105, 142, 143, 230, 270, 346, 383, 384, 424, 425, 460, 463, 482, 483, 509, 541]

Load Sharing and Load Balancing [13, 35, 42, 43, 44, 45, 46, 64, 65, 80, 81, 91, 93, 94, 95, 100, 110, 120, 122, 133, 136, 145, 152, 165, 166, 172, 174, 175, 197, 208, 213, 222, 268, 300, 360, 368, 386, 389, 399, 408, 458, 479, 481, 536, 561, 572, 573, 574]

3 Conception paradigms

3.1 Object-oriented languages

[63, 138, 194, 501, 502, 511]

3.2 (Object | Component | Interaction | Aspect)-oriented design and model

[39, 60, 76, 78, 82, 88, 90, 66, 111, 136, 348, 402, 436, 444, 461, 490, 531]

3.2.1 Coordination and adaptation techniques

[21, 38, 41, 102, 157, 220, 281, 426, 474, 486, 528, 559]

4 Miscellaneous

[40]

4.1 Dictionary

[177]

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... and don't forget to enjoy life and have fun ... carpe diem ... □