CS Subareas - ACM, SBC, Microsoft, Wainer

#	SUBAREAS IN CS ACCORDING TO DIFFERENT SOURCES					
	Microsoft (2012)	Wainer 2013	Hoonlor 2013	ACM (Today)	IEEE (Today)	SBC (Today)
1	Algorithms & Theory	Theory Operational Research and Optimization	Alg. and Theory	Theory	Mathematical Foundations of Computing (TCMF)	Comissão Especial em Algoritmos, Combinatória e Otimização Comissão Especial de Métodos Formais
2	Artificial Intelligence	Artificial Intelligence	AI	Artificial Intelligence	Intelligent Informatics (TCII) Semantic Computing (TCSEM)	Inteligência Artificial Comissão Especial de Métodos Formais Robótica
3	Bioinformatics & Computational Biology	Bioinformatics	-	Applications	Computational Life Sciences (TCCLS)	Biologia Computacional
4	Computer Education	-	-	Education	Learning Technology (TCLT)	Comissão Especial de Informática na Educação
5	Computer Vision	Image Processing and Computer Vision	AI	Artificial Intelligence Digital Content	Pattern Analysis and Machine Intelligence (TCPAMI)	Computação Gráfica e Processamento de Imagens
6	Data Mining	-	Data Management	Digital Content	Data Engineering (TCDE) Digital Libraries (TCDL)	Banco de Dados
7	Databases	Database	Data Management	Digital Content	Data Engineering (TCDE)	Banco de Dados
8	Distributed & Parallel Computing	Distributed Computing	Computing	Theory Performance Hardware Design	Distributed Processing (TCDP) Parallel Processing (TCPP)	Redes de Computadores e Sistemas Distribuídos
9	Graphics	Computer Graphics	Comp. Graphics	Software Interaction	Visualization and Graphics (VGTC)	Computação Gráfica e Processamento de Imagens
10	Hardware & Architecture	Computer Architecture	Comp. Arch.	Performance Hardware Design	Computer Architecture (TCCA) Microprogramming and Microarchitecture (TCuARC) Microprocessors and Microcomputers (TCMM) VLSI (TCVLSI) Multiple-Valued Logic (TCMVL)	Arquitetura de Computadores e Processamento de Alto Desempenho Concepção de Circuitos e Sistemas Integrados
11	Human-Computer Interaction	Human-Computer Interaction	HCI	Interaction Applications Hardware Design	-	Interação Humano-Computador
12	Information Retrieval	-	Data Management	Artificial Intelligence Digital Content	Data Engineering (TCDE) Digital Libraries (TCDL) Semantic Computing (TCSEM)	Banco de Dados Processamento de Linguagem Natural
13	Machine Learning & Pattern Recognition	Machine Learning	AI	Artificial Intelligence Digital Content	Pattern Analysis and Machine Intelligence (TCPAMI)	Inteligência Computacional Processamento de Linguagem Natural
14	Multimedia	Multimedia	Comp. Graphics	Software Applications Digital Content Interaction	Multimedia Computing (TCMC)	Sistemas Multimedia e Web
15	Natural Language & Speech	-	AI	Artificial Intelligence Digital Content	Semantic Computing (TCSEM)	Processamento de Linguagem Natural
16	Networks & Communications	Communications and Networking	Comp. Networking	Networking	Computer Communications (TCCC) Internet (TCI)	Redes de Computadores e Sistemas Distribuídos
17	Operating Systems	-	Operating Systems	Software Networking	Real-Time Systems (TCRTS)	Engenharia de Sistemas Computacionais
18	Programming Languages	Compilers and Programming Language	Prog. Lang.	Performance Software	-	Linguagens de Programação
19	Real-Time & Embedded Systems	Computer Architecture	Comp. Arch.	Software Applications Networking	Real-Time Systems (TCRTS)	Concepção de Circuitos e Sistemas Integrados Engenharia de Sistemas Computacionais
20	Scientific Computing	Computer Architecture Distributed Computing	Computing	Applications Performance	Scalable Computing (TCSC)	Arquitetura de Computadores e Processamento de Alto Desempenho

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# Microsoft (2012)	Wainer 2013	Hoonlor 2013	ACM (Today)	IEEE (Today)	SBC (Today)
21 Security & Privacy	Security	Security & Privacy	Software Digital Content Interaction Networking	Security and Privacy (TCSP) Data Engineering (TCDE)	Segurança da Informação e de Sistemas Computacionais
22 Simulation	-	-	Software	Simulation (TCSIM)	-
23 Software Engineering	Software Engineering	Soft. Eng.	Software	Software Engineering (TCSE)	Engenharia de Software
24 World Wide Web	-	Data Management	Artificial Intelligence Software Digital Content Networking	Internet (TCI) Data Engineering (TCDE)	Sistemas Multimedia e Web
SUBAREAS NOT CONCILIATED					
	Management Information Systems		Operations and Managemen	Business Informatics and Systems (TCBIS)	Sistemas de Informação
				Services Computing (TCSVC)	Sistemas Colaborativos
				Test Technology (TTTC)	Computação Aplicada à Saúde
				Dependable Computing and Fault Tolerance (TCFT)	Computação Musical
					Geoinformática
					Inteligência Computacional
					Jogos e Entretenimento Digital
					Realidade Virtual
					Sistemas Tolerantes a Falhas