

Scientific Map

Applied Technology	Information Technology Infrastructure	Applications and Products	Data-Infrastructure Related	Human-Organizational	Education and Knowledge	Clinical Disciplines
<ul style="list-style-type: none"> • Bioinformatics • biosignal processing • pattern recognition • mathematical models in medicine • Human genome related • Algorithms • Boolean logic • Image Processing • Cryptology • Human interfaces 	<ul style="list-style-type: none"> • Health professional workstation • Networks • Chip cards in health care • Archival-repository systems for medical records-EPR-CPR-EMR • Security • Interfaces • Distributed systems • Pen based • Speech recognition • User interfaces • Neural networks • Standards • Telehealth • Systems architecture 	<ul style="list-style-type: none"> • Quality management • Knowledge-based systems • Expert systems • Clinical trials • Evidence based guidelines • Health services research • Outcomes research and measurement • Decision support • Epidemiological research Hospital IS • Patient identification • EPR-CPR-EMR • Laboratory data • image processing • HIS management • patient monitoring • Disease mgt. • Event-based systems • Minimum Data Sets • Telemedicine • Computer-supported surgery • Telematics • Biostatistics • Diagnosis related • Operations/Resource management • Supply chain 	<ul style="list-style-type: none"> • Linguistics • Terminology-vocabulary • Data acquisition-data capture • Data entry • Data protection • Data analysis-extraction tools • Data policies • Syntax • Database design • Classification • Coding-coding systems • Standards • Concept representation-preservation (medical, nursing, etc.) • Indexing • Language representation • Lexicons • Thesaurus tools • Nomenclatures • Modeling 	<ul style="list-style-type: none"> • Managing Change • Human Factors • Communication • Management • Organization • Legal issues, e.g. privacy, etc. • Ethics • Assessment-Evaluation • Process • User-computer interface • Compliance • Cognitive tasks • Collaboration • Implementation-deployment • Diffusion • Needs assessment • Strategic plans • Integrating plans-philosophy • Unique identifiers 	<ul style="list-style-type: none"> • H/MI education • Computer-supported training • Information management-dissemination • Knowledge management • Bibliographic • Cognitive learning • Computer aided instruction • Continuing Education • Learning models • Online/distance education • Knowledge bases 	<ul style="list-style-type: none"> • Anesthesia/Pain Management • Behavioral • Cardio/Thoracic • Cardiovascular • Dentistry • Dermatology • Emergency Medicine-Ambulatory • Environmental health • Gastroenterology • Human genetics • Internal Medicine • Neurosurgery • Nursing • Obstetrics & Gynecology • Ophthalmology • Orthopedics • Pathology • Pediatrics • Pharmacy • Primary care • Psychiatry • Radiology • Surgery • Urology

IMIA Coordinating Councils

Medical Informatics Technical/Research Coordinating Council			Medical Informatics Standards and Representation Coordinating Council	Medical Informatics Human Related Issues Coordinating Council		Clinical Disciplines Coordinating Council
WG 4, WG 7, WG,10, WG 14, WG 17, WG 18, SIG-N1			WG 4, WG 6, WG 16, SIG-N1	WG 1, WG 4, WG 9, WG 13, WG 15, SIG-N1		WG5, WG9, WG 10, WG11, SIG-N1, Mental Health

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