

Programme Schedule

	WED. 9	THU. 10	FRI. 11
ROOM	Pabellón de servicio	Pabellón de servicio	Pabellón de servicio
9:00 - 9:30		Keynote: Jesús Cortés	SESSION INMED S5
9:30 - 10:00			IS08 Advances in Data & Knowledge Management for Healthcare
10:00 - 10:30		SESSION INMED S2	
10:30 - 11:00		General Track	Keynote: Juan Manuel Gorriz
11:00 - 11:30			
11:30 - 12:00			
12:00 - 12:30		Keynote: Edward J. Ciaccio	SESSION INMED S6
12:30 - 13:00			General Track
13:00 - 13:30		Lunch	
13:30 - 14:00			
14:00 - 14:30			Farewell lunch
14:30 - 15:00			
15:00 - 15:30	Registration (15:00 - 20:00)	Keynote: Sebastiano Stramaglia	
15:30 - 16:00			
16:00 - 16:30		SESSION INMED S3	
16:30 - 17:00	Opening	General track & IS06 Computer-aided Image Analysis in Ophthalmology	
17:00 - 17:30	SESSION INMED S1		
17:30 - 18:00	General track & IS02 Medical Decision- Support Systems	SESSION INMED S4	
18:00 - 18:30			
18:30 - 19:00		Workshop on Smart Medical Systems	
19:00 - 19:30	Keynote: Ricardo Sanchez Peña		
19:30 - 20:00			
20:00 ----	Welcome cocktail	Conference dinner Restaurante Chomin	

ROOM: Pabellón de servicio

**Session
chair**

<i>Wednesday 9</i>	
INMED S1	
imed14-016	
imed14-015	
imed14-014	
imed14-013	
imed14-011	
imed14-006	
imed14-004	
imed14-023	
Josu Maiora	

<i>Thursday 10</i>		
INMED S2	INMED S3	INMED S4
imed14-054	imed14-055	imed14-003
imed14-042	imed14-043	imed14-039
imed14-041	imed14-025	imed14-037
imed14-040	imed14-010	imed14-034
imed14-038	imed14-009	imed14-033
imed14-036	imed14-020	imed14-019
imed14-035	imed14-024	imed14-005
imed14-030	-	imed14-002
Rosalía Dacosta	Manuel González Penedo	Carlos Toro

<i>Friday 11</i>	
INMED S5	INMED S6
imed14-053	imed14-028
imed14-052	imed14-027
imed14-050	imed14-022
imed14-049	imed14-017
imed14-048	imed14-031
imed14-047	-
imed14-044	-
-	-
Massimo Esposito	Borja Ayerdi

Session INMED S1: General track & IS02 Medical Decision-Support Systems**Date:** Wednesday 9**Hour:** 17:00 – 19:00**Room:** Pabellón de servicio**Chairs:** Josu Maiora

Paper ID	TITLE	AUTHORS
imed14-016	Method for Building a Medical Training Simulator with Bayesian Networks: SimDeCS	PhD Cecilia Flores, PhD Marta Bez, PhD Helder Coelho, MsC João Fonseca, PhD Ana Respicio
imed14-015	Handling Varying Amounts of Missing Data when Classifying Mental-Health Risk Levels	Eng. Sherine Saleh, Dr. Christopher Buckingham
imed14-014	Analysis of Virus Textures in Transmission Electron Microscopy Images	Dr Sheryl Brahnah, Dr. Florentino Luciano Caetano Dos Santos, Dr. Jeri Hyttinen, Dr. Loris Nanni, Dr. Michelangelo Paci
imed14-013	Texture Descriptors Based on Dijkstra's Algorithm for Medical Image Analysis	Dr. Sheryl Brahnah, Dr. Stefano Ghidoni, Dr. Emanuele Menegatti Dr. Loris Nanni
imed14-011	Affine registration of [123I]FP-CIT SPECT brain images	Dr. Diego Salas-Gonzalez, Dr. Juan Górriz, Dr. Ignacio Illán, Dr. Elmar Lang, Dr. Pablo Padilla, Dr. Javier Ramírez
imed14-006	Gated Sensor Fusion: A way to Improve the Precision of Ambulatory Human Body Motion Estimation	Dr. Alberto Olivares, Dr. Dr. Juan Manuel Górriz, Dr. Gonzalo Olivares, Dr. Javier Ramírez
imed14-004	Statistical Significance in the Selection of the Regions of Interest for Parkinson Brain Image Processing	PhD Pablo Padilla, PhD Ignacio Álvarez-Illán, PhD Juan Manuel Górriz, PhD Javier Ramírez, PhD Diego Salas-González
imed14-023	Two Innovative Healthcare Technologies at the Intersection of Serious Games, Alternative Realities, and Play Therapy	Dr Sheryl Brahnah, Dr Anthony Brooks

Session *INMED S2: General Track*

Date: Thursday 10

Hour: 10:00 – 12:00

Room: Pabellón de servicio

Chairs: Rosalia Dacosta

Paper ID	TITLE	AUTHORS
imed14-054	Analysis of Medical Care Expenditure by Japanese Prefecture using Fuzzy Robust Regression Model	Professor Yoshiyuki Yabuuchi, Assistant Professor Takayuki Kawaura, Professor Watada Watada
imed14-042	A proposal of Texture Features for interactive CTA Segmentation by Active Learning	prof Josu Maiora, prof Manuel Grana, prof Vasilis Kaburlasos, prof Goerge Papakostas
imed14-041	Findings in resting-state fMRI by differences from K-means clustering	PhD Darya Chyzyk, professor Manuel Graña
imed14-040	Representing human expertise by the OWL web ontology language to support knowledge engineering in decision support systems	Miss Asia Ramzan, Dr Christopher Buckingham, Dr Wang Wang
imed14-038	Automatic classification of segmented MRI data combining Independent Component Analysis and Support Vector Machines	Mrs. Laila Khedher, Mr. Abdelbasset Brahim, Dr. Juan Manuel Gorriz, Dr. Javier Ramirez
imed14-036	Linear intensity normalization of DaTSCAN images using Mean Square Error and a model-based clustering approach	Mr. Abdelbasset Brahim, Dr. Juan Manuel Gorriz, Mrs. Laila Khedher, Dr. Javier Ramirez
imed14-035	Nevus and Melanoma Paraconsistent Classification	Master Sheila Souza, Doctor Jair Abe
imed14-030	Case Mining for Research Findings in a Case-based Reasoning System in the Biology of Aging	Dr. Isabelle Bichindaritz

Session INMED S3: *General track & IS06 Computer-aided Image Analysis in Ophthalmology*

Date: Thursday 10

Hour: 16:00 – 18:00

Room: Pabellón de servicio

Chairs: Manuel González Penedo

Paper ID	TITLE	AUTHORS
imed14-055	Chance-Constrained Model Predictive Control Applied to Inventory Management in Hospitalary Pharmacy	Dr. Carlos Ocampo-Martinez, Dr. Jose Maria Maestre
imed14-043	Filtering mfVEP signals using Wiener filter	Mr. Miguel Ortiz del Castillo, Phd. Luciano Boquete, Mr. Luis de Santiago, Mr. Alfredo Fernández, Mr. Jose Ramón García-Luque, Mrs. Eva Maria Sánchez-Morla
imed14-025	Automatic assessment of tear film break-up dynamics	Ms. Lucía Ramos, Ms. Noelia Barreira, Ms. María Jesús Giráldez, Mr. Hugo Pena-Verdeal
imed14-010	Computed Aided Diagnosis System for Retinal Analysis: Automatic Assessment of the Vascular Tortuosity	Ms. Luisa Sánchez, Dr. Noelia Barreira, Dr. Gabriel Coll de Tuero, Dr. Manuel Penedo
imed14-009	Automatic Vessel Shade-Robust Segmentation of Retinal Layers in OCT Images	Ms. Ana González-López, Mr. Pablo Charlón, Mr. Marcos Ortega, Mr. Manuel Penedo
imed14-020	Development of braided fiber-based stents	PhD Student Rita Rebelo, Professor Sandra Carvalho, Professor Raul Figueiro, Professor Mariana Henriques, PhD Student Nívea Vila
imed14-024	Study on fibrous materials for brain phantoms	PhD Student Catarina Guise, Professor Raul Figueiro, Professor João Miguel Nóbrega, Professor Walter Schneider

Session INMED S4: Workshop on Smart Medical Systems

Date: Thursday 10

Hour: 18:00 – 20:00

Room: Pabellón de servicio

Chairs: Carlos Toro

Paper ID	TITLE	AUTHORS
imed14-003	Multimodal image data fusion for Alzheimer's Disease diagnosis by sparse representation	Dr. Andrés Ortiz, Student Daniel Fajardo, Dr. Juan M. Górriz, M.Sc. Francisco J. Martínez-Murcia, Dr. Javier Ramírez
imed14-039	Smart Stress Management System for Media and Arts Employees	Lina Bartkiene, Ieva Jackute, Ludmil Kovachec, Rasa Paliskiene, Prof. Andrej Safonov, Prof. Arturas Kaklauskas
imed14-037	Hygehos Home: an innovative remote follow-up system for chronic patients	Mr. Eduardo Carrasco, Mr. Agustín Aguirre, Prof. Manuel Graña, Ms. Eider Sánchez, Mr. José María Susperregui, Dr. Carlos Toro
imed14-034	Specification of Extended Reflexive Ontologies in the context of CDSS	MSc Eider Sanchez, Prof. Manuel Manuel, Dr Carlos Toro
imed14-033	Projecting MRI brain images for the detection of Alzheimer's Disease	Mr. Francisco Martínez-Murcia, Prof. Dr. Juan Górriz, Dr Ignacio Illán, Prof. Dr. Javier Ramírez, Dr. Diego Salas-González, Dr. Fermín Segovia
imed14-019	IEEE 802.14.5/ZigBee Based WSNs -- WPANs and Innovative Application in Medical and Healthcare Systems	Dr Zhongwei Zhang
imed14-005	Review and Challenges of Brain Analysis through DTI Measurements	MSc Alba Garin-Muga, Dr Diego Borro
imed14-002	Activity Classification Using Mobile Phone based Motion Sensing and distributed computing	Mr. Arkaitz Artetxe, PhD. Andoni Beristain, PhD. Luis Kabongo

Session INMED S5: IS08 Advances in Data & Knowledge Management for Healthcare

Date: Friday 11

Hour: 9:00 – 11:00

Room: Pabellón de servicio

Chairs: Massimo Esposito

Paper ID	TITLE	AUTHORS
imed14-053	A Wize Mirror for Lifestyle Improvement	Mr. Massimo Martinelli, PhD Sara Colantonio, PhD Daniela Giorgi, Dr Massimo Magrini, PhD Maria Antonietta Pascali, PhD Ovidio Salvetti PhD Ovidio
imed14-052	A cloud based data management architecture to support Electronic Health Record	Dr. Gianluca Zangara, Dr. Francesco Cangemi, Dr. Francesco Collovà, Dr. Pietro Paolo Corso, Dr. Filippo Millonzi, Mr. Antonio Scarlatella
imed14-050	A Study on Textual Features for Medical Records Classification	Ph.D. Anita Alicante, Ph.D. Flora Amato, Master Degree Giovanni Cozzolino, Ph.D. Francesco Gargiulo, Master Degree Nicla Improda, Full Professor Antonino Mazzeo
imed14-049	Likelihood-Fuzzy Analysis of Parotid Gland Shrinkage in Radiotherapy Patients	Dr. Marco Pota, Mrs. Maria Luisa Belli, Mr. Giovanni Mauro Cattaneo, Dr. massimo Esposito, Mr. Giuseppe Sanguineti, Mrs. Elisa Scalco
imed14-048	PEGASO: A personalised and motivational ICT system to empower adolescents towards healthy lifestyles	Mr Stefano Carrino, Mr Leonardo Angelini, Mr Neil Coulson, Ms Giovanna Rizzo, Mr Jose Serrano, Ms Eloisa Vargiu
imed14-047	Unsupervised Information Extraction from Italian Clinical Records	PhD Anita Alicante, PhD Anna Corazza, PhD Francesco Isgrò, Master Degree Stefano Silvestri
imed14-044	Detection of Healthcare-Associated Urinary Tract Infection in Swedish Electronic Health Records	MSc Hideyuki Tanushi, MD, PhD Maria Kvist, MD, PhD Elda Sparrelid

Session INMED S6: General track

Date: Friday 11

Hour: 12:00 – 14:00

Room: Pabellón de servicio

Chairs: Borja Ayerdi

Paper ID	TITLE	AUTHORS
imed14-028	Understanding Data Collection Behaviour of Mental Health Practitioners	Mr Ali Rezaei-Yazdi, Dr Christopher Buckingham
imed14-027	Validation of a Computerized Technique for Automatically Tracking and Measuring the Inferior Vena Cava in Ultrasound Imagery	Dr. Andrew Smith, BEng. Spencer Bellows, Dr. Peter McGuire, BEng. Jordan Smith
imed14-022	The main issues of enhancement of the effectiveness of medical services provided to the children's population in Republic Armenia	Head of department Marine Mardiyán, Assistant Aharon Barseghyan, Assistant Armine Chopikyan, Assistant Lusine Danielyan, Residence Razmik Dunamalyan
imed14-017	A double closed loop to enhance the quality of life of Parkinson's Disease patients: REMPARK system	Dr. Albert Samà, Dr. Joan Cabestany, Dr- Manuel Moreno-Aróstegui, M.Sc. Carlos Pérez-López, Dr. Daniel Rodríguez-Martín, Dr. Alejandro Rodríguez-Molinero
imed14-031	Improving detection of apneic events by learning from examples and treatment of missing data	Dr. Elena Hernández-Pereira, Dr. Diego Álvarez-Estévez, Dr. Vicente Moret-Bonillo