

Prague WC2018 Clinical Engineering Track, June 2018

Main CE Topics: <http://www.iupesm2018.org/main-topics.page>

	No.	Sub. Title	Country	Pres.	Topic	Submitting Countries
Clinical Engineering						
18.01. Health Technology Management	1.	646 First steps for the European clinical engineering societies network	Italy	Oral	18.13	
18.02. Quality, Productivity and Benchmarking	2.	650 A Decision Support System for Chronic Obstructive Pulmonary Disease	Italy	Oral	18.12	1. Italy
18.03. Telemedicine in Developing Countries	3.	653 Machines Perfusion: new technologies for increasing organ's availability	Italy	Oral	18.06	2. Kenya
18.04. Information & Communication Technologies (ICT) CE-IT	4.	655 Comprehensive in-service training for lab eq. in high HIV burden counties	Kenya	Oral	18.01	3. Russia
18.05. International Standards, Regulations of medical devices	5.	661 Autonomous surgical suturing: augmented stitching of coronal incision	Russia	Oral	18.06	4. USA
	6.	672 Evidence-Based contributions of CEs to improving global patients' outcomes	USA	Oral	18.14	5. Brazil
18.06. Innovation and Design of Surgical and Medical Devices	7.	676 HB-HTA of Total Laboratory Automation systems	Italy	Oral	18.08	6. Spain
18.07. Disaster Preparedness for Clinical Engineers	8.	688 Augmented reality technology as a tool for better usability on medical eq.	Brazil	Oral	18.17	7. Colombia
18.08. Clinical Process Analysis and Optimization	9.	757 Comparative analysis of healthcare facilities infrastructure and eq eval tools	Spain	Oral	18.16	8. Poland
18.09. Medical Devices Incident Analysis and Management	10.	766 A cloud-based web application for chromatic pupillometry (CP)	Italy	Oral	18.04	9. Argentina
18.10. Forensic Clinical Engineering and Risk Management	11.	788 Medical device based on CP for screening/monitoring of inherited disease	Italy	Oral	18.06	10. Czech Republic
	12.	767 IFMBE/CED proposed recognition of cert./registration programs in CE	USA	Oral	18.11	
18.11. Clinical Engineering Certification, Training, Education	13.	793 Colombian clinical engineers' regional nodes, leaders' perspective	Colombia	Oral	18.04, 18.05	11. Mexico
18.12. Decision Support Systems (DSS) and Clinical Engineering	14.	808 Rapid manufacturing and virtual prototyping of pre-surgery aids	Poland	Oral	18.06	12. Cuba
18.13. National Societies and International Cooperation	15.	825 ABNY NBR 15943 – Guidelines for a mgmt. program for health infrastr / eq	Brazil	Oral	18.05	13. Japan
18.14. Clinical Engineering Success Stories	16.	830 Hospitals with and without CE department: comparative analysis	Argentina	Oral	18.02	14. Paraguay
	17.	844 Eval. of downtime of linear accelerators installed at radiotherapy depts	Czech Rep.	Oral	18.01	15. France
Other:	18.	1239 The case of creating the Colombian College of Clinical Engineering	Colombia	Oral	18.13	
18.15. Rural health technology management (HTTG)	19.	1241 Endoscopy eq. process improvement to decrease failures/mgmt costs	Colombia	Oral	18.02	16. Nigeria
18.16. Health Facility and Infrastructure design, including CE-IT	20.	1246 Proposed healthcare physical asset management based on ISO-55000	Colombia	Oral	18.20	17. South Africa
18.17. Human Factors and Usability Design	21.	1256 Use of hybrid training to support emergency preparedness	USA	Oral	18.07	18. India
18.18. CE-HTM and Device Manufacturing Relationships	22.	1258 CE challenge: medical device cleaning and disinfection damage	USA	Oral	18.09	19. Canada
18.19. Professional Ethics	23.	1266 A method of eval for medical eq replacement for developing countries	Mexico	Oral	18.20	20. Ecuador
18.20. CMMS and Asset Management	24.	1279 Process and practice manual in clinical engineering	Brazil	Oral	18.02	
	25.	1280 Adverse event investigation methodology when product is involved	USA	Oral	18.10	21. Turkey
Special Sessions						
18.14. CE Success Stories	26.	1281 Identification of components for a DSS in clinical research management	Cuba, Mexico	Oral	18.12	
18.07. Disaster Preparation	27.	Mgmt Design of Successful, Safe, and Reliable Integrated Med Dev ICS	USA	Oral	18.04	
18.02. Bangladesh Benchmarking Middle Income CE	28.	574 Eval of benefit of low dose CT in the diagnosis of Charcot arthropathy	Czech Rep.	Poster	18.02	
18.18. AMTZ India Development of in-country manuf.	29.	583 Developmt. of a self-calibration thermometer using low melting-point metal	Japan	Poster	18.06	
18.11. CE Credentialing / Education / BOP-BOK	30.	752 Support for Medical Eq Incorporation: Hyperbaric O2 Therapy Diab. Foot	Brazil	Poster	18.08	
18.19. Ethics	31.	811 Improved access to diag. services remote populations through telemedicine	Paraguay	Poster	18.03	
18.06. Innovation	32.	1243 Innovation in ventilation system for noise reduction in neonatal incubators	Brazil	Poster	18.02	
	33.	1254 Mathematical modeling used for biomedical technology management	Argentina	Poster	18.01	
	34.	A belief function DS tool over complementary clinical conditions	France		18.12	
	35.	Analyzing Energy Reqmts of Meta...for Future Wearable Medical Dev.	Czech Rep.		18.06	
	36.	Temporary External Pacemaker Design in IMSS	Mexico		18.06	
	37.	Monte Carlo Method to Determine Optimal Maintenance Frequency	Canada		18.01	
	38.	The Supportability of Medical Devices	Canada		18.01	
	39.	Smart Tourniquet System for Military Use	Turkey		18.06	
	40.	Using data mining techniques ... outsource medical equipment maintenance	Canada		18.01	
	41.	Set up for irradiation and performing spectroscopy for human lenses	Brazil		18.06	
	42.	Necessity ... radio-therapy engineers in Nigeria rise to the challenge	Nigeria		18.01	
	43.	Bed management in hospital systems	Italy		18.08	
	44.	Navigation algorithm for the evacuation of hospitalized patients	Italy		18.08	
	45.	Virtual course for the Americas: HT planning and management over life cycle	USA		18.11	
	46.	Model HTM app failure analysis for Air Compressors in Dental Service of PHC	Brazil		18.01	
	47.	Augmented Reality Technology as a Tool for better Usability of Medical eq.	Brazil		18.17	
	48.	Design model for risk assessment for home-care lung ventilation	Czech Rep.		18.08	
	49.	Impact of the new Regulation on medical devices in terms of safety checks	Czech Rep.		18.05	
	50.	Automated sunglasses solar exposure station	Brazil		18.06	
	51.	Prototype device for traffic light tests in sunglasses	Brazil		18.06	