

III ICEHTMC POSTER SESSIONS

Room ITALIA

Monday, 21st of October 2019

P1-A) 10:45-12:30

Development of innovative devices

P1-B) 14:00-15:50

International standards and regulations

Education, certification, training

Design of health facilities and systems

P1-C) 16:00-17:45

Global challenges, sustainable development

Clinical risk management, safety, emergency preparedness

Tuesday, 22nd of October 2019

P2-A) 10:45-12:30

Medical equipment management in hospitals – Part 1

P2-B) 14:00-15:30

Medical equipment management in hospitals – Part 2

Health Technology Assessment

P2-C) 15:45-17:30

ICT and medical informatics

Technologies for home care

Health Operations/Project Management

Artificial Intelligence, Big Data

POSTER SESSIONS DETAILS

P1-A) Development of innovative devices – Monday 21st 10:45-12:30

TOWARDS THE AUTOMATION OF PBS PROTON TREATMENT PLANNING	Alessandro	Alparone	Italy
ELETRONIC SYSTEM FOR CALIBRATION AND GAUGING OF GOLDMANN OCULAR TONOMETER	AMARO	OLIVEIRA	Brazil
BREAST PHYSICAL PHANTOMS FOR CONVENTIONAL AND PHASE CONTRAST BREAST TOMOSYNTHESIS	Anastasia	Daskalaki	Greece
A BCI CONTROLLED SOFT FINGER EXOSKELETON FITTING PATIENT'S NEEDS	Daniele	Cafolla	Italy
PERSONALIZED ELECTROENCEPHALOGRAPHY (EEG) INFORM TRANSCRANIAL ELECTRIC STIMULATION (TES) INTERVENTION FOR COUNTERACTING MIGRAINE [PEIN4COMI]	Camillo	Porcaro	Italy
MODELING, ANALYSIS AND CONTROL OF THE "SCARA" MANIPULATOR ARM USING THE "ROBOTICS SYSTEM TOOLBOX FOR MATLAB	Pierangelo	Ielpo	Italy
AMPADU DELIVERY CHAIRS	Cecilia	Amapdu	Ghana
CATALYSTS OF MEDICAL DEVICES INNOVATION PROCESS	Eduardo Jorge	Valadares Oliveira	Brazil
HTA-BASED FRAMEWORK FOR INNOVATIVE DEVICE DEVELOPMENT	EULER	DE VILHENA GARCIA	Brazil
REMS TECHNOLOGY: EARLY DIAGNOSIS OF OSTEOPOROSIS AND RISK OF FRACTURE.	Francesco	Conversano	Italy
IMPORTANT FACTORS IN DEVELOPING INNOVATIVE MEDICAL DEVICES IN JAPAN	Keiko	Fukuta	Japan
A MOBILE APP FOR PREVENTING OF EXERCISE-INDUCED HYPOGLYCEMIA IN TYPE 1 DIABETIC PATIENTS	Giulia	Silveri	Italy
DEVELOPMENT OF INNOVATIVE SYSTEM FOR NEUROCOGNITIVE AND MOTOR REHABILITATION	Giulia	Silveri	Italy
SPE3D-APP PROJECT: 3D PRINTING AND APP.. A SUPPORT FOR DIFFERENT ABILITIES AND CLINICAL PRACTICE	Marco	Simonetti	Italy
FABRICATION OF A BIO-CERAMIC SCAFFOLD BY USING SPONGE REPLICA METHOD	Joye	Joye Kundu	Bangladesh
DEVELOPING A LOW-COST MEDICAL IMAGING SOFTWARE PRODUCT FROM RESEARCH PROTOTYPE IN RADIOLOGY	Manjunath	K N	India
MECHATRONIC HOSPITAL BED FOR STATIC AND DYNAMIC POSITIONING, AND PASSIVE MOBILIZATION, OF THE ENTIRE BODY IN ACUTE POST STROKE PATIENTS.	Loris	Pignolo	Italy
ARAMIS- AUTOMATIC RECOVERY ARM MOTILITY INTEGRATED SYSTEM». ROBO-MECHATRONIC SYSTEM FOR THE NEUROREHABILITATION AND FUNCTIONAL RECOVERY OF THE PARETIC UPPER LIMB IN POST STROKE PATIENTS	Loris	Pignolo	Italy
THE NEW CARDIAC DIAGNOSTIC PREDICTION APPLIED TO A DESIGNED HOLTER	Leonardo Juan	Ramirez Lopez	Colombia
MILK HEATER FOR NEWBORN	Marcelo	Marciano	Brazil
SONEHEALTH IMPROVE THE FIRST DIAGNOSIS WITH THE CLASSIC STETHOSCOPE	Marco	Bonanno	Italy
POSFO: PERSONALISED ORTHOPAEDIC AND SPORTIVE FOOT ORTHOTICS USING INTERNET OF THINGS AND 3D PRINTING	Raffaele	Ferrante	Italy
"DESIGN AND DEVELOPMENT OF SENSOR BASED PATIENT POSITION TRACKING DEVICE IN RADIOTHERAPY TREATMENT"	Nupur	Karmaker	Bangladesh

A DEVICE FOR MONITORING CIRCADIAN RHYTHMS VIA WEARABLE SENSORS. A PILOT STUDY.	Rossana	Castaldo	United Kingdom
DESIGN AND FABRICATION OF HUMAN BONE (PELVIS,MANDIBLE) BY USING 3D PRINTER	Rana	Mitra	Bangladesh
OPEN-SOURCE HARDWARE DESCRIPTION AND BENCH TEST PERFORMANCE OF AN EASY-TO-BUILD AND AFFORDABLE CPAP DEVICE FOR LOW-INCOME COUNTRIES	Ramon	Farre	Spain
NEEDLE FREE BLOOD TYPING	Safina	Suratwala	India
3- D VASCULOGRAPHY : NON-INVASIVE, AFFORDABLE AND SAFE SOLUTION FOR CARDIOVASCULAR ASSESSMENT	Shikha	Agarwal	India
ANALYSIS OF THE EMERGENCY NEONATAL TRANSPORT CLINICAL RECORDS BEFORE AND AFTER THE INTRODUCTION OF SHOCK ABSORBING STRETCHER SUPPORTS	Simone	De Santis	Italy
The Global Health Improvement Registry: Prototype Initiative	Fred	Hosea	Ecuador
TOWARDS THE DESIGN AND TEST OF A SENSORIZED PACIFIER	Daniele	Giansanti	Italy
DESIGN OF AN INNOVATIVE REHABILITATION PLATFORM USING A ROBOT, VIRTUAL REALITY AND WEARABLE SENSORS	Daniele	Giansanti	Italy

P1-B) International standards and regulations – Monday 21st 14:00-15:50

MEDICAL DEVICE POST MARKET SURVEILANCE AND QUALITY CONTROL	Almir	Badnjevic	Bosnia and Herzegovina
HEALTH TECHNOLOGY IN ALBANIA	Ledina	Picari	Albania
MEDICAL EQUIPMENT RADIATION SAFETY COMPLIANCE STUDY AMONG 12 STATES/UT IN INDIA	Kumar	Pawan	India
RADIATION AND ENGINEERING SERVICES BY CHAK AS A LICENSED QA/QC TSO	Joseph	Rugut	Kenya
THE EU GDPR, MEDICAL DEVICES AND THE DPO DATA PROTECTION OFFICER FUNCTION	Richard	Fitton	United Kingdom

P1-B) Education, certification, training – Monday 21st 14:00-15:50

AUSTRALIA'S CLINICAL ENGINEERING DEVELOPMENT WORKSHOP	Adrian	Richards	Australia
COST EFFECTIVE SCHEME TO CREATE CLINICAL ENGINEERING PROFESSIONALS FOR LOWER-MIDDLE INCOME COUNTRIES	Mohiuddin	Ahmad	Bangladesh
IFMBE-CED 2017 WORLDWIDE CLINICAL ENGINEERING SURVEY	Saide	Calil	Brazil
NATIONAL BENCHMARKING OF THE CLINICAL ENGINEER COMPLEMENTING NATIONAL WORKFORCE PLANNING.	Colm	McGrath	Ireland
DIGITAL EXPERT ABSTRACT	Abhishek	Kothari	India
CLINICAL AND BIOMEDICAL ENGINEER-REQUIREMENTS IN EU	federica	ceresa	Italy
USE OF PLATFORM IN THE TRAINING OF MEDICAL STUDENTS	Silvia C	Martini	Brazil
MASTER IN CLINICAL ENGINEERING	Paolo	Lago	Italy
STUDENT POV: HEALTHCARE TECHNOLOGY MANAGEMENT, A LAYMAN'S DEFINITION	Jessica	Metcalfe	Canada
SPANISH ELECTROMEDICAL AND CLINIC ENGINEERING IN SPAIN, SEEIC	Jose Domingo	Sanmartín	Spain
THE BIOMEDICAL ENGINEERING INDUSTRY IN ANDALUSIA: A 10-YEAR REVIEW	Mar	Elena	Spain

CLINICAL BIOMEDICAL ENGINEERING IN HEALTHCARE ACT E-COUNCELLING	Mario	Medvedec	Croatia
MISTERY OF CROATIAN HEALTH WORKERS HISTORY	Mario	Medvedec	Croatia
CALIBRATION; THE KEY DETERMINANT TOOL FOR PROVISION OF QUALITY HEALTHCARE IN LMICS.	Martha Sebi	Tusabe	Uganda
LESSONS FROM TEACHING CE IN EGYPT FOR 30 YEARS	Bassel	Tawfik	Egypt
BIOMEDICAL ENGINEERS ROLE AND IMPACT IN THE AMERICAS REGION: MEXICO AND PERU CASES	Rossana	Rivas	Peru
IMPROVING GOVERNMENT RESPONSE TO TUBERCULOSIS IN PERU: HEALTH TECHNOLOGY PLANNING & MANAGEMENT HYBRID COURSE TO PERUVIAN NIH PUBLIC HEALTH LABORATORIES NETWORK	Tobey	Clark	United States of America
USING A HACKATHON FOR EXPERIENTIAL LEARNING IN EHEALTH/MHEALTH/TELEHEALTH SYSTEMS DESIGN, SOFTWARE ENGINEERING, & BUSINESS	Ricardo	Silva	United States of America
LOW COST PHYSIOLOGICAL MONITOR WITH WIFI COMMUNICATION	Farheen	Shaikh	Canada
CE/HTM PROFESSIONAL ROLES IN HEALTHCARE DELIVERY: IS IT TIME FOR A RESET?	Stephen	Grimes	United States of America
BIOMEDICAL TRAINING PROGRAM: PLANNING, DESIGNING, IMPLEMENTATION AND IMPACT ASSESSMENT	Sudesh	Yadav	India
2019 PAHO HTM CONFERENCE FOR THE CARIBBEAN: NEXT GENERATION ACEW	Tobey	Clark	United States of America
FLYING OVER THE HUMP PROJECT EDUCATIONAL PROGRAM FOR CHINESE CLINICAL ENGINEER	Feng	Xu	China
COMPLEMENTARY ACTIVITIES FOR AN INTEGRATIVE CLINICAL ENGINEERING EDUCATION	Fabiola M	Martinez-Licon	Mexico

P1-B) Design of health facilities and systems – Monday 21st 14:00-15:50

CE'S DEVELOPING A MULTI-SKILLED HOLISTIC ROLE IN FACILITY DESIGN AND BUILD, AND PROJECT MANAGEMENT	Peter	Grainger	Ireland
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P1-C) Global challenges, sustainable development – Monday 21st 16:00-17:45

THE PROMISING AND POTENTIAL ROLE OF BIOMEDICAL ENGINEERING : THE WEWOMENGINEERS COMMUNITY EXPERIENCE FOR RAISING AWARENESS IN THE BIOMEDICAL FIELD	Manuela	Appendino	Italy
BANGLADESH GOVERNMENT ACTION PLAN FOR CERTIFIED CLINICAL ENGINEERS TO ACHIEVE HEALTHCARE SDG BY 2030	Md	Ashrafuzzaman	Bangladesh
WORKING GROUP ON AFRICA ACTIVITY (WGAA) OF IFMBE	Ashenafi	Hussein	Ethiopia
FILLING THE GAPS, CONNECTING THE DOTS AND ESTABLISHING THE LINKS	Benito	Macalinao	Philippines
THE WEEE EUROPEAN DIRECTIVE 2012/19/UE : WHY IS IT RELEVANT TO MEDICAL EQUIPMENT DONATIONS TO LMIC?	Cathy	Blanc-Gonnet	France
INTERNATIONAL BIOMEDICAL SERVICES FOUNDATION (IBSF)	Jitendar	Sharma	India

WHY I HAVE ALWAYS WANTED TO BE A CLINICAL ENGINEER	Yadin	David	United States of America
EFFECTIVE CE HEALTH POLICY INNOVATION, LEADERSHIP, STRATEGY, AND ACTION PLAN TO OVERCOME GLOBAL HEALTHCARE DISPARITIES.	Elliot	Sloane	United States of America
«HEALTH TECHNOLOGY MAINTENANCE IN COMPLEX SETTINGS: LESSONS LEARNT FROM THREE HOSPITALS IN HAITI »	Emmanuel	KOUEMO TCHOKODJEU	Cameroon
MULTIDISCIPLINARY TELECONSULTATION IN DEVELOPING COUNTRIES	Fabio	Ferrari	Italy
POLICY ON TECHNOLOGICAL INNOVATION AND SUSTAINABLE DEVELOPMENT	Fotini	Toscas	Brazil
CHALLENGES FACED WITH MEDICAL EQUIPMENT DONATIONS: THE CHILDREN'S HOSPITAL OF EASTERN ONTARIO STORY WITH THE HAITI DIALYSIS PROJECT	Kim	Greenwood	Canada
HEALTH TECHNOLOGY AND PUBLIC POLICY	Antonio	Hernandez	United States of America
AVOIDABLE CHALLENGES FOR MAINTENANCE OF MEDICAL ELECTRON LINEAR ACCELERATORS IN LOW AND MIDDLE INCOME COUNTRIES	François Bolariwon	IDJIWOLE	Benin
UPCOMING CE/HTM CHALLENGES ON SMART AND INTERNET OF MEDICAL THINGS (IOMT) DEVICES	German	Giles	Argentina
HYPERTENSION DIAGNOSIS AND MANAGEMENT IN AFRICA USING MOBILE PHONES: A SCOPING REVIEW	Iyabosola Busola	Oronti	Nigeria
IFMBE CED STUDY ADDRESSING WHO 2019 CHALLENGE #5: GLOBAL CE-HTM INDICATORS	Tom	Judd	United States of America
IMPROVING SYSTEMS FOR SAFE OXYGEN DELIVERY AND OTHER MNCH DEVICES	Kanishk	Gupta	India
CLINICAL ENGINEERING IN MOZAMBIQUE	Mario	Forjaz Secca	Mozambique
IMPROVING THE MANAGEMENT OF MEDICAL EQUIPMENT IN HEALTH CARE FACILITIES	Nexhdet	Abazi	
NOMENCLATURE OF ESSENTIAL MEDICAL DEVICES IN BENIN (REDUCED)	Pascal	SOROHEYE	Benin

P1-C) Clinical risk management, safety, emergency preparedness – Monday 21st 16:00-17:45

APPLICATION OF PARETO'S PRINCIPLE IN MONITOR ALARM MANAGEMENT	zhongkuan	lin	China
WHEN THE THREAT IS FROM THE INSIDE: A MANAGEMENT PLAN FOR INTERNAL EMERGENCIES	Agnese	Lucesoli	Italy
MEDICAL ALARM SYSTEMS: WHERE DOES IT GO?	Astrid-Elisabeth	Jentink	Netherlands
THE CHALLENGE OF MRI INTERVENTIONS RELATED TO MRI-ENABLED FUNCTIONAL IMPLANT-PACEMAKER	Takuya	Tahara	Japan
REDUCING CLINICAL RISK WITH A CORRECT MANAGEMENT OF MASTER PATIENT INDEX	Francesco	Giuliani	Italy
CLINICAL RISK IN IV INFUSION THERAPY: IMPROVING THE SAFE USE OF INFUSION PUMPS.	Federico	Nocchi	Italy
USABILITY OF THE HUMAN-MACHINE INTERFACE OF BLOOD BANKS AND PLASMA FREEZERS	Alice	Ravizza	Italy

USE OF ELECTRONIC BOWIE DICK FOR STEAM AUTOCLAVE TESTING	LUIS	SCHNEIDER	Brazil
IMPLEMENTATION OF IMPROVEMENTS IN THE REVERSE OSMOSIS WATER TREATMENT SYSTEM FOR HAEMODIALYSIS AND MATERIAL CENTRAL AND STERILIZATION	RODRIGO	Rezer	Brazil
PRESENTATION OF METHODS OF HOSPITAL EQUIPMENT DECONTAMINATION IN UNITED ELECTRONIC DOCUMENTS: SUPPORT TO THE CONTROL OF HOSPITAL INFECTION	Eliezer	Souza	Brazil
RISK ANALYSIS OF ELECTROMEDICAL EQUIPMENT DURING USE IN THE HOSPITAL ENVIRONMENT	WILLIAM	Souza	Brazil
A COMPREHENSIVE SYSTEM FOR THE PREVENTION OF LEGIONELLOSIS IN A HOSPITAL	Maurizio	Gimigliano	Italy
MANAGING CYBER SECURITY RISK – A LOCAL RESPONSE TO THE WANNACRY RANSOMWARE THREAT	Nana	Odom	United Kingdom
OPTIMIZATION OF PATIENT SAFETY, WORK- AND CURE ENVIRONMENT IN NEW SINGLE-BED CARE UNITS IN RIJNSTATE	Nikita	Kruis	Netherlands
HOSPITAL MEDICAL DEVICE VIGILANCE SYSTEM SOFTWARE DESIGNED TO REDUCE RISK AND INCREASE SAFETY	Oleg	Shrolik	Ireland
TOWARDS ERROR RESISTANT MEDICAL DEVICES	Mohammad Samir	Tuleimat	Saudi Arabia
STUDY ON THE RISK ASSESSMENT AND CONTROL METHOD OF MEDICAL DEVICE USE	Shaoping	Cao	China
A THEMATIC REVIEW OF MEDICAL DEVICE RISK MANAGEMENT.	Chris	Hopkins	United Kingdom
THE ECRI “TOP 10 TECHNOLOGY HAZARDS” THROUGH THE YEARS. NEW ITEMS AND OLDIES IN THE RANKING	Umberto	Nocco	Italy
THE CONCENTRATION OF LARGE SIZE DUST PARTICLES IN THE INHALED GAS OF ANAESTHESIA MACHINE WAS INCREASED BY SODIUM LIME ABSORBENT	Dong-sheng ZHAO	Dong-sheng ZHAO	China
MEASUREMENT OF THE ELECTRICAL RISK IN CRITICAL AREAS FROM HOSPITALS OF YUCATAN STATE AND MEXICO CITY	Fabiola M	Martinez-Licona	Mexico
THE DESIGN OF A DEVICE FOR THE ASSESSMENT OF THE APPS FOR THE TEXT NECK PREVENTION	Daniele	Giansanti	Italy
SMARTPHONE SURVEY FOR MEDICAL DEVICES: WHAT DO HEALTH CARE OPERATORS THINK ABOUT COMPUTER SECURITY?	Daniele	Giansanti	Italy

P2-A) Medical equipment management in hospitals – Part 1 – Tuesday 22st 10:45-12:30

THE SPECIAL INFLUENCES OF LOCAL ATMOSPHERIC FACTORS IN TIBET ON THE USE AND MANAGEMENT OF MEDICAL INSTRUMENTS	Xiu	Xu	China
THE ARRIVAL, INSTALLATION AND ACCEPTANCE OF MEDICAL EQUIPMENT	Yunfei	Xu	China
EVALUATION RESEARCH ON THE DEPLOYMENT AND UTILIZATION OF EMERGENCY EQUIPMENT IN HOSPITAL	Yunxin	Zheng	China
A LONG ACTING MECHANISM TO IMPROVE MEDICAL FIXED-ASSETS MANAGEMENT	Hongpan	WANG	China
IMPROVING WAREHOUSE EFFICIENCY VIA A QUANTITY MANAGEMENT SYSTEM OF SURGICAL SUPPLIES	Hongpan	WANG	China
CLINICAL ENGINEERING ACTIVITIES IN BRAZIL	ELIEZER	KNOB	Brazil

INVESTIGATION AND ANALYSIS OF GFIL INTERLOCK ON TRILOGY OF VARIAN MEDICAL LINEAR ACCELERATOR	Qipeng	Lu	China
A COMPREHENSIVE IN-SERVICE BIOMEDICAL ENGINEERING TRAINING PROGRAM TARGETING LABORATORY EQUIPMENT CRITICAL TO THE HIV CLINICAL CASCADE IN HIGH HIV BURDEN COUNTIES IN KENYA	Philip Amoko	Anyango	Kenya
CLINICAL ENGINEERING BENCHMARKING COMPARISON BETWEEN BEIJING AND AMERICAN HOSPITALS	Binseng	Wang	United States of America
ANALYSIS OF THE INFORMATION OF INPUTS AND OUTPUTS TO ASSESS A MEDICAL EQUIPMENT MANAGEMENT SOFTWARE	Luis	Fernández	Mexico
INTEGRATION OF CE/HTM AND IT IN HEALTHCARE SYSTEMS	Bradley	Schoener	United States of America
REAL TIME LOCATING SYSTEMS – EXPERIMENTATION IN A PEDIATRIC HOSPITAL	Daniele	Pietrobon	Italy
STRENGTHENING UTILITY AND MAINTENANCE OF MEDICAL DEVICES	Demeru	Desta	Ethiopia
MANAGING SUCCESSFUL MEDICAL DEVICE WARRANTY PERIOD MAINTENANCE	Demeru	Desta	Ethiopia
SCHEDULED MAINTENANCE OF ELECTRO-MEDICAL EQUIPMENT	Desirée	Marchi	Italy
PROPOSAL OF DIMENSIONING OF CLINICAL ENGINEERING TEAM OF THE HOSPITALS OF THE FEDERAL UNIVERSITY	Eduardo	Frota Oliveira	Brazil
CLINICAL ENGINEERING PROCESS AND OPERATION MANUAL: BEST PRACTICES AT EBSEH	Eduardo Jorge	Valadares Oliveira	Brazil
BENCHMARKING FOR THE CONTRACTING OF MEDICAL EQUIPMENT MAINTENANCE SERVICES IN EBSEH'S FEDERAL UNIVERSITY HOSPITALS	Eduardo Jorge	Valadares Oliveira	Brazil
MEDICAL EQUIPMENT MANAGEMENT IN HOSPITALS	EMMANUEL	MUSIWA	Zambia
CLINICAL ENGINEER AS A CREATIVE PARTNER OF MEDICAL TEAM	Ewa	Zalewska	Poland
GUIDE FOR IMPLANTATION OF QUALITY MANAGEMENT SYSTEMS IN HOSPITAL CLINICAL ENGINEERING SECTORS	FABIO	LEAL	Brazil
MAINTAINENCE OF BIOMEDICAL EQUIPMENT RESOURCE CENTRE (BERC) IN PUNJAB, PAKISTAN	Fiza	Shaukat	Pakistan
MULTI CRITERIA METHOD TO DETERMINE MEDIC EQUIPMENT OPERATIONAL OBSOLESCENCE IN HEALTH PUBLIC INSTITUTIONS IN BRAZIL	Flávia	Lefort Lamanna	Brazil
CLINICAL ENGINEERING CONTRACTS ANALYSIS IN EBSEH'S HOSPITAL NETWORK IN BRAZIL	Flávia	Lefort Lamanna	Brazil
DESIGN AND APPLICATION OF MEDICAL ENDOSCOPE SERVICE EVALUATION SYSTEM BASED ON APP&WEB TECHNOLOGY	Jun	Zheng	China
HOW TO JOIN RFID TECHNOLOGY TO LEAN THINKING IN HOSPITAL LABORATORY.	DIMITRIOS	APOSTOLIDIS	Greece
A HEALTH MANAGEMENT SYSTEM FOR HOSPITAL MEDICAL EQUIPMENT – A CASE STUDY IN A GREEK HOSPITAL	Anna	Gkolfinopoulou	Greece
QUALITY ASSESMENT OF THERAPEUTIC ULTRASOUNDS: RESULTS OF LEGAL METROLOGY FRAMEWORK FOR MEDICAL DEVICES	Almir	Badnjevic	Bosnia and Herzegovina
INITIAL QUALIFICATION SCORE OF A MEDICAL DEVICE IN A HOSPITAL ENVIRONMENT: AN EMPIRICAL APPROACH	Roland	HOUSSOUVO	Benin
A MULTI-PLATFORM INFORMATION MANAGEMENT SYSTEM OF TOTAL LIFE CYCLE FOR MEDICAL EQUIPMENT	Erliang	Huang	China
MGTB: A NEW QUALITY AND SUSTAINABILITY HTM MODEL FOR MIDDLE INCOME COUNTRIES HOSPITALS	Javier	Camacho	Colombia

IMPLEMENTING A PROGRAM TO SHARE USER EXPERIENCE DATA FOR MEDICAL DEVICES	Jonathan	Gaev	United States of America
AN ASSESSMENT MODEL FOR REASONABLE QUANTITY EVALUATION OF EMERGENCY EQUIPMENT IN A HOSPITAL	Jing	Sun	China
IRISH NATIONAL ACUTE HOSPITALS COMPUTERISED MAINTENANCE MANAGEMENT SYSTEM (CMMS)	John	Adlington	Ireland
INSPECTION OF LEAD APRONS: PRACTICAL EXPERIENCE UNDER JCI STANDARDS	Jucheng	Zhang	China
INVESTIGATION OF CLINICAL ENGINEERING SERVICES IN SOUTH AFRICA USING AAMI & CMBES GUIDELINES. (CASE STUDY ON KWA-ZULU NATAL PROVINCE, SOUTH AFRICA)	Freddy	Mulhanga	South Africa
CAUSES AND FAILURES OF RIGID ENDOSCOPES	Marcelo	Marciano	Brazil
APPLICATION OF THE AHP METHOD IN THE PRIORITIZATION OF THE SELECTION CRITERIA OF THE CALIBRATION SERVICE PROVIDE	Anderson	Alves dos Santos	Brazil
IMPACTS OF ACTIVE COLLECTION FOR EQUIPMENT IN FULFILLMENT OF CALIBRATION AND PREVENTIVE MAINTENANCE SCHEDULES	Anderson	Santos	Brazil

P2-B) Medical equipment management in hospitals – Part 2 – Tuesday 22st 14:00-15:30

ANALYSIS OF THE INDICATION OF REPLACEMENT OF MEDICAL EQUIPMENT: MULTIPARAMETRIC METHOD APPLICATION OF OBSOLESCENCE EVALUATION	WILLIAM	Knob Souza	Brazil
COMPARISON BETWEEN HIGH AND LOW OXYGEN FLOW FOR THE TREATMENT OF PACIENTES ADMITTED IN AN INTENSIVE CARE UNIT	Marcelo	Marciano	Brazil
PRACTICAL SUPPORT FOR THE MANAGEMENT OF ELECTROMEDICAL EQUIPMENT IN A LEASING CONTRACT	Marta	Mariotti	Italy
DATA HYGIENE: CLEAN YOUR DATA FOR OPTIMAL DECISIONS	Michael	Lane	United States of America
CAST A NET: PROTECT YOUR MEDICAL DEVICES FROM ATTACK WITH COMPREHENSIVE ACQUISITION AND CYBERSECURITY STRATEGIES	Michael	Lane	United States of America
BEST PRACTICE: MR SYSTEM – URGENCY TO IMPROVE MR RELIABILITY BECAME AN OPPORTUNITY FOR UPGRADE MR SYSTEM BY A LONG TERM SERVICE CONTRACT	monica	taiariol	Italy
CONTRIBUTING TO THE DEVELOPMENT OF CE IN PERU - SUCCESS CASE IN AUNA	Mery	Vidal	Peru
DASHBOARD FOR QUALITY AND SAFETY ASSURANCE IN MULTIDISCIPLINARY LIFE CYCLE MANAGEMENT OF MEDICAL EQUIPMENT IN A HOSPITAL	Nikita	Kruis	Netherlands
DESIGNING A MEDICAL EQUIPMENT DATABASE MANAGEMENT SYSTEM	PRISCILLA	KEMIGISHA	Uganda
SINGLE INSTRUMENT TRACKING AND MAINTENANCE	Raquel	Canovas Paradell	Spain
IMPROVING ELECTROMEDICAL EQUIPMENTS BY SHARING PROTEGEMED'S DATA IN A DISTRIBUTED DATABASE	Marcelo Trindade	Rebonatto	Brazil
SUPERVISIONING IT-MEDICAL SYSTEMS BY THE INTERNET	Marcelo Trindade	Rebonatto	Brazil
THE CLINICAL ENGINEERING IN HOSPITAL ACCREDITATION	Guilherme	Reis Braz	Brazil

INTERNATIONAL MEDICAL ORGANIZATIONS AND HTM'S ROLE	Roy Glenn	Morris	United States of America
PROPOSAL OF AN INNOVATIVE ORGANIZATIONAL MODEL IN THE MANAGEMENT OF THE CLINICAL ENGINEERING SERVICE OF A MODERN HOSPITAL	Alessia	Salvucci	Italy
CLINICAL ENGINEERS ROLE IN SAUDI HOSPITALS	Nafea	Alharbi	Saudi Arabia
DISCUSSION OF CHARGED MEDICAL CONSUMABLES MANAGEMENT IN OUR HOSPITAL	Chuanliang	Chen	China
A STUDY ON THE PROCUREMENT CLASSIFICATION OF MEDICAL EQUIPMENT BASED ON KRALJIC MODEL	Caixian	Zheng	China
RESEARCH ON THE STATUS QUO OF TIME SYNCHRONIZATION OF MEDICAL EQUIPMENT AND SOLUTION TO THE PROBLEM	Jian	Zhang	China
MEDICAL EQUIPMENT MANAGEMENT IN HOSPITALS	Prashiksha	Ulak	Nepal

P2-B) Health Technology Assessment – Tuesday 22st 14:00-15:30

HEALTH TECHNOLOGY ASSESSMENT OF LABORATORY MEDICINE: THE OPBG EXPERIENCE	Matteo	Ritrovato	Italy
DISTRIBUTION AND USE OF HIGH VALUE CAPITAL MEDICAL IMAGING EQUIPMENT IN GREECE	Aris	Dermitzakis	Greece
PROJECT AND DEVELOPMENT OF THE NEW HYBRID OPERATING ROOM OF THE FEDERICO II UNIVERSITY HOSPITAL ACCORDING TO HOSPITAL-BASED HTA TECHNIQUES	Giuseppe	D'Agostino	Italy
NON-CONTACT INFRA-RED THERMOMETERS: IS THERE SUFFICIENT EVIDENCE TO SUPPORT THEIR USE IN SECONDARY CARE?	Dan	Clark	United Kingdom
WE SPEAK METATAG SO YOU DON'T HAVE TO! HOW INFORMATION PROFESSIONALS SUPPORT AND STREAMLINE THE HEALTH TECHNOLOGY ASSESSMENT PROCESS	Eileen	Erinoff	United States of America
BRAZILIAN NATIONAL HTA GUIDELINES APPLICABILITY TO LOCAL CONTEXT ASSESSMENT OF MEDICAL DEVICES	EULER	DE VILHENA GARCIA	Brazil
HEALTH TECHNOLOGY ASSESSMENT OF CARDIOVASCULAR MAGNETIC RESONANCE (CMR) IN THE HEALTH SYSTEM IN SARDINIA	Francesca	Mura	Italy
DESIGN AND IMPLEMENTATION OF MEDICAL ENDOSCOPE SERVICE EVALUATION SYSTEM BASED ON APP&WEB TECHNOLOGY	Jun	Zheng	China
PARAMETERS OPTIMAL SELECTION DURING PEDIATRIC 18F-FDG PETCT EXAMINATION	Hongyu	Zhang	China
HTA IN THE ACCURACY OF SELF-MONITORING BLOOD GLUCOSE FOR DIABETES MELLITUS TYPE 2 FOR PRIMARY CARE SCENARIO	Renato	Garcia	Brazil
METHODOLOGICAL ASSESSMENT TOOL MEDICAL DEVICES INCORPORATION FOR HEALTHCARE INSTITUTIONS	Javier	Camacho	Colombia
IMPLEMENTING ELECTRONIC HEALTH RECORD IN A CHILDREN'S HOSPITAL: A HTA PROCESS	Martina	Andellini	Italy
COST-BENEFIT ANALYSIS OF RESPIRATORY HUMIDIFIERS RENTAL IN A SECONDARY CARE PRIVATE HOSPITAL OF MEXICO CITY	Manuel A	Bahena-Basave	Mexico
IDENTIFICATION OF MEDICAL EQUIPMENT GAPS AT THE NATIONAL INSTITUTE OF PEDIATRICS FROM MEXICO	Martha R	Ortiz-Posadas	Mexico
STRATEGIES TO INCREASE AVAILABILITY OF SURGICAL EQUIPMENT IN KENYA, CASE STUDY, NAIROBI CITY COUNTY	salome	mwaura	Kenya
MINI-HTA FOR MEDICAL DEVICE (MD) PURCHASE. BETWEEN EFFICIENCY AND EFFECTIVENESS.	Salvatore	Tallarico	Italy

AUTOMATED PREPARATION OF CHEMOTHERAPY IN PIEMONTE (ITALY): A RAPID HTA EVALUATION	Stefania	Bellelli	Italy
DIABETES TECHNOLOGIES: EVOLUTION, MODELING AND EVALUATION OF PERSPECTIVES THROUGH NEW METHODS OF HTA	Daniele	Giansanti	Italy
TOWARDS THE DESIGN OF AN HTA STUDY ON ALTERNATIVE TECHNOLOGIES IN MAMMOGRAPHY	Daniele	Giansanti	Italy

P2-C) ICT and medical informatics – Tuesday 22st 15:45-17:30

DATA INTEGRATION - A PM PERSPECTIVE FROM A BIOMED BACKGROUND	Adeel	Alam	Canada
DATA REPOSITORY FOR DECISION-MAKING IN A HEALTH INSTITUTION	Alvaro	Ortega	Colombia
THE WAITING LIST PROBLEM IN HEALTHCARE SERVICE: MONITORING AND CORRECT MANAGEMENT - GOING TO THE DIGITAL CONVERSION	Salvatore	Flaminio	Italy
TECHNICAL REQUIREMENTS FOR SECURE DM HOST CONNECTION ON MEDICAL IT NETWORK	cinzia	spagno	Italy
ENGINEERING APPROACH TO THE “GENERAL DATA PROTECTION REGULATION” AND HIS IMPLEMENTATION FOR GENERAL PRACTITIONERS	Roberto	Belliato	Italy
A SAAS OPEN PLATFORM FOR DIABETES WELLBEING	Etienne	Antoniutti Di Muro	Italy
THE ITALIAN ELECTROTECHNICAL COMMITTEE GUIDES FOR HEALTH SOFTWARE MANAGEMENT IN MEDICAL ENVIRONMENT	Maurizio	Rizzetto	Italy
MODELING AN INTEGRATED NETWORK FOR REMOTE PATIENT MONITORING, BASED ON THE INTERNET OF THINGS FOR A MORE PREVENTIVE AND PREDICTIVE HEALTH SYSTEM IN WEST AFRICA	Métowano u Héribert	AHOUANDJINO U	Benin
CREATIVE TELEMEDICINE APPS ENHANCE GLOBAL HEALTH CHALLENGES	Pedro	GALVAN	Paraguay
A SYSTEM FOR INVESTIGATING ASSOCIATIONS BETWEEN DAY-TO-DAY VARIATIONS IN SLEEP AND HEALTH/WELLBEING STATUS	Luis	Montesinos	United Kingdom
SECURING HEALTHCARE INFRASTRUCTURE BY PROTECTING MEDICAL DEVICES FOR GDPR COMPLIANCY AND PRIVACY DATA PROTECTION	Marco	Iorio	Italy
A DIGITAL PLATFORM FOR THE WOMEN AND CHILDREN HEALTHCARE: DESIGN AND IMPLEMENTATION OF A SOLUTION TO SUPPORT THE INNOVATIVE MANAGEMENT OF CLINICAL PROCESSES	Michele	Bava	Italy
AGILE DEVELOPMENT AND MEDICAL DEVICE	GIORGIA	PICCI	Italy
PEH - PERFORMANCE EVALUATION IN HEALTH	Giuseppe	Romano	Italy
RECOGNITION OF CARDIAC TISSUES USING K-MEANS METHODS	Tariq	Alqahtani	Saudi Arabia
IMPLEMENTATION OF AN EHEALTH APPLICATION IN ONCOLOGY: A REAL-WORLD FEASIBILITY STUDY	Timo	Jämsä	Finland
DESIGN OF A WEB-BASED MEDICAL EQUIPMENT MONITORING AND MANAGEMENT SYSTEM FOR BIOMEDICAL ENGINEERING SERVICES IN SRI LANKA	Amila Ruwansiri	Thalahitiya Vithanage	Sri Lanka
DECISION SUPPORT IN POST-TRIAGE PRIORITY OF NON-CRITICAL ELDERLY PATIENTS	Voula	Georgopoulos	Greece
WHATSAPP: A SURVEY ON THE PROSPECTS OF USE IN DIGITAL RADIOLOGY	Daniele	Giansanti	Italy
AN IDENTIKIT OF A MEDICAL APP FOR THE CONTINUITY OF CARE IN BREAST CANCER	Daniele	Giansanti	Italy

P2-C) Technologies for home care – Tuesday 22st 15:45-17:30

OBERON MODEL FOR THE INTEGRATED MANAGEMENT AND ASSISTANCE OF CHRONIC PATIENTS IN VS AND MCS	ALDO	MAURO	Italy
AUGMENTED-REALITY-BASED COGNITIVE SUPPORT IN ACTIVITIES OF DAILY LIVING	Giuseppe	D'Avenio	Italy
DESIGNING SAFE & SUSTAINABLE COMMUNITY PATIENT CARE COORDINATION TELEHEALTH HUBS W/COLOUR PETRI NETS	Elliot	Sloane	United States of America
DIGITAL HEALTHCARE IN HOME CARE: IOT FOR THE IMPROVEMENT OF TECHNOLOGY MANAGEMENT AT PATIENT'S HOME	Greta	Mesolella	Italy
A SENSORIZED EXERCISER IN LUNG REHABILITATION:TOWARDS THE INTEGRATION IN THE HEALTH-CARE	Daniele	Giansanti	Italy

P2-C) Health Operations/Project Management – Tuesday 22st 15:45-17:30

CLOCK MANAGEMENT OF MEDICAL EQUIPMENT	Juandian	Zhu	China
A HIGH TECHNOLOGY LABORATORY DESIGN AND IMPLEMENTATION: THE OPBG EXPERIENCE.	Liliana	De Vivo	Italy
MULTIDISCIPLINARY HYBRID OR	Claudio	Conti	Italy
DIGITAL TRANSFORMATION OF THE BIOMEDICAL ENGINEERING MISSION INTO A HEALTH CARE INSTITUTION	Hervé	Dion	France
INDUSTRY AND HEALTH 4.0 - THE FACILITY MANAGER AS FAUTOR OF INTEGRATED MANAGEMENT TO REDUCE BOUNDARIES BETWEEN CORE ACTIVITIES AND SUPPORT ACTIVITIES OF HEALTH ORGANIZATIONS	Greta	Mesolella	Italy
SURVEY OF ECONOMIC FEASIBILITY INDICATORS FOR MEDICAL EQUIPMENT INCORPORATION	Renato	Garcia	Brazil
THE HOSPITAL UNIVERSITARIO VIRGEN DEL ROCÍO IN SEVILLE, SPAIN HAS GOT THE ISO 13485:2018 DURING THIS YEAR	Jose Domingo	Sanmartín Sierra	Spain
ALBANIA AND THE REGION COLLABORATION	Ledina	Picari	Albania
THE VALUE OF CE-HTP-HTM IN IMPROVING HEALTH NETWORKS IN PERU	Rossana	Rivas	Peru
MATRIX, A NEW ERA IN FACILITATING 10.000 MOBILE MEDICAL DEVICES IN A DUTCH ACADEMIC HOSPITAL	Stefan	Been	Netherlands
A METHOD FOR EVALUATION OF MEDICAL TECHNOLOGY FOR RELOCATION WITHIN THE HOSPITAL	Fabiola M	Martinez-Licona	Mexico
THE VIEW OF A GENERAL PRACTITIONER ON IMMEDIATE ACCESS FOR PATIENTS TO THEIR LABORATORY TEST RESULTS	Richard	Fitton	United Kingdom
TESTING THE HEALTH LITERACY OF TWENTY BANGLADESHI PATIENTS BEFORE AND 6 MONTHS AFTER THEY HAD ACCESS TO THEIR ELECTRONIC MEDICAL RECORD	Richard	Fitton	United Kingdom

P2-C) Artificial Intelligence, Big Data

PLATFORM FOR DECISIONS SUPPORT IN THE GENERATION THE INFORMATION FOR THE MANAGEMENT OF MEDICAL DEVICES.	Beatriz	Hernandez	Mexico
BONE COMPUTED TOMOGRAPHY IMAGE SEGMENTATION USING BALLON ACTIVE CONTOUR TECHNIQUES	DEBDATT A	KANDAR	India

MODELING AN AUTOMATIC DIAGNOSIS OF MALARIA BASED ON DIGITAL HOLOGRAPHIC MICROSCOPY	Eustache	Muteba	Congo, the Democratic Republic of the
RESEARCH ON THE PREDICTION OF THE WHOLE LIFE CYCLE OF HOSPITAL EQUIPMENT UNDER THE BACKGROUND OF BIG DATA OF HEALTH CARE	wang	yusheng	China
A BIG DATA APPROACH AND DATABASE FOR MANAGING HOSPITAL ASSETS TO PREVENT MEDICAL DESERTS: A CASE STUDY IN MEXICO	Jossie Elenisse	Rivera-Leyva	Mexico
AN ADVANCED HYBRID GRAVITATIONAL SEARCH PARTICLE SWARM OPTIMIZATION ALGORITHM FOR SOLVING DNA PROBLEM	Talha Ali	Khan	Australia
IMAGE ENHANCEMENT AND ARTIFICIAL INTELLIGENCE IN DIGITAL CYTOLOGY: A CHANCE TO INCREASE THE THE DIAGNOSTIC CONTENT	Daniele	Giansanti	Italy