

ID TRABAJO	MODALIDAD Y SESIÓN	BIOMATERIALES E ING. DE TEJIDOS	TITULO DEL TRABAJO
231	TL6	Daniela Estefania Barraza, Paula Ines Nanni, Roberto Ezequiel Chaile, Leonardo Acuña, Jorge Diego Marco and Rossana Elena Madrid	Immobilization of Leishmania antigens for rapid diagnosis of American Tegumentary Leishmaniasis (ATL) by electrochemical impedance spectroscopy
436	P1	Manuela Matar Prior, Guillermo Abras, Aldo R. Boccaccini, Juan Ignacio Pastore and Josefina Ballarre	Bioactive scaffolds containing mesoporous particles for drug delivery
528	TL6	Pablo Andrés Fernández, Romina Comín, María Victoria Cáceres, Nancy Salvatierra and Mariana Cid	Extraction and purification of collagen for 3D printing of scaffolds with hyaluronic acid and chemical crosslinking
633	TL6	María Victoria Cáceres, Pablo A. Fernández, Gustavo Morales, Nancy A. Salvatierra, Romina Comín and Mariana P. Cid	Design and evaluation of graphene oxide/collagen scaffolds for their application in tissue engineering
2877	TL6	Joaquín Palma, Marcos Bertuola and Élica B. Hermida	Modelado computacional en 3D de la tasa de reticulación de una tinta de hidrogeles y su relación con las propiedades mecánicas
3653	P1	Carolina Lacerra, Romina Comin, Mariana Cid, Tristán López Lozano, Diego Schmets, Raúl Ibarra Theiler, Geraldine Máscolo, Cecilia Sobrero and Nancy Salvatierra	Human Amniotic Membrane Allograft: Comparison of two preservation methods in biocompatibility assays
5622	TL6	Santiago Garcia Rivarola, María Agustina Zalazar, Juan Cruz Kalbermatten, Karen Agostina Sosa Navarro, María de Los Angeles Rossi, Lorenzo Alejandro Tell, Roberto Carrizo Flores and Evelina Frontera	Characterization of UV Nail Sculpting Gel for Low-cost Applications in Microfluidics.
6752	TL6	Andrea Marina Lucero Manzano and Oscar Grizzi	Application of surface science techniques in biomaterials
7031	TL6	Sebastian Salas, Maria Emilia Oliva, Ana Sofia Duport Bru, Maria Cecilia Soggi, Theo Rodriguez Campos, Fabricio Molinari, Andrea Paola Rodriguez and Leandro Nicolas Monsalve	Analysis of electrical conductivity in polymeric scaffolds in frog sciatic nerve
8455	P1	Daniela Gonzalez	Evaluation of anticoagulant activity of heparin loaded in PCL fibers using thromboelastography.
9375	P1	Martina Nocent and Macarena Corrales	Towards the design of a subcutaneous implant to deliver L-Thyroxine
9970	P1	María José Cervantes, Marisa Natalia Orzuza, César F. Caiafa and Ramiro Miguel Irastorza	Coupling media in microwave imaging: dielectric properties and temperature dependence

ID TRABAJO	MODALIDAD Y SESIÓN	BIOMECÁNICA	TITULO DEL TRABAJO
5173	TL5	Bruno Zorzet, Gabriel Villaverde and Ariel Braidot	3D Biomechanical modeling applied to Taekwondo
5185	P5	Melisa Frisoli, Sofía Poux, Melisa Deris, Paola Catalfamo Formento and Eloisa García Añino	Documentation tools development for rehabilitation technology implementation
6350	TL5	Ariel Braidot, Melisa Frisoli and Marco López Ibarra	Upper Limb Biomechanical Analysis Applied to Patients with Stroke
6841	P1	Camila Primosich, María Azul Molaro Battisti, Paola Catalfamo Formento, Victor Valotto and Claudia Bonell	Functional design of a software to obtain spatio-temporal parameters of human gait
7618	TL5	Franco Comin, María Lucía Urrestarazu, Mario Mouche and Sebastián Graf	Desarrollo de un sistema para la evaluación de las lateralidades y dominancias corporales
7985	P1	Ailén Borches, Mara Edith Fusco and Mónica Miralles	Trunk orthosis and interactivity
8163	TL5	Marco Antonio Lopez Ibarra, Melisa Frisoli, Gustavo Bizai, Diego Evin, Luis Clementi, Alejandro Hadad and Ariel Braidot	In Vivo obtention and representation of Muscle's Paths from Magnetic Resonance Images
8484	TL5	Diana Margarita Casas Gomez and Ariel Braidot	Mirror Visual Feedback as a tool for training users to achieve control over the BCI
9469	TL5	Alejandro Rodrigo, Elisa Perez and Natalia M. López	Analysis of coordination variability: pilot study
9561	TL5	Leonardo Ariel Cano, Alvaro Gabriel Pizá, Eduardo Fernández Jover and Fernando Daniel Farfán	Motor planning efficiency based on reaction time. A measure for cognitive demand.
9725	TL5	Guadalupe del Milagro Riveros, Rocio Valeska Reguilo Oszust, Magalí Sganga and Emiliano Ravera	An automatic gait marker cleaner and labelling algorithm for optical motion capture recordings
9992	TL5	Pedro Pablo Escobar, Franco Déber, Raúl Emilio Romero, Silvano Rossi, Roberto Juan de la Vega and Roberto Leegstra	Design of a stretcher for advanced assessment of lower limbs rehabilitation

ID TRABAJO	MODALIDAD Y SESIÓN	EDUCACIÓN	TITULO DEL TRABAJO
2161	TL12	Lucas Baldezzari	First Uruguayan robotic vehicle hackathon controlled by Brain Computer Interfaces
2213	P1	Jorge Raúl Cabral, Carlos Daniel Ramirez Maisuls and Roberto Carlos Valetto	Development of a Clinical Engineering Residency in Corrientes, Argentina.
4057	TL12	Mariano Caruso, Guillermo LaMura and Sebastián Lorandi	Mechanical Ventilation Remote Laboratory
5659	P1	Alejandro Rodrigo, Paula Seminara, Natalia M. López, Elisa Perez, Cristina García and Valentina Reznichenco	Tabutomía: A Gamification Tool for Anatomy Effective Learning
5923	TL12	Julio Pereyra, Emanuel Tello, Luciano Carmona and Rodolfo Rodriguez	Proposal for a remote laboratory in engineering
8131	TL12	María Paula Seminara and Juan Pablo Graffigna Vaggione	Considerations to Design Strategies to Address Student's Retention in Bioengineering career

ID TRABAJO	MODALIDAD Y SESIÓN	EQUIPAMIENTO, INSTRUMENTACIÓN Y SENSORES	TITULO DEL TRABAJO
1207	P2	Sebastián Lorandi, Guillermo LaMura and Mariano Caruso	Optoelectronic pulse oximetry simulator for vasoconstriction and vasodilation caused by anesthesia
2094	TL7	Theo Rodríguez Campos, Fabricio Molinari, Anahí Medrano and Leandro Monsalve	Flexible pressure sensors based on piezoelectric polymers for biomedical wearable applications
2645	TL7	Matias Javier Oliva, Pablo Andrés García, Enrique Mario Spinelli and Alejandro Luis Veiga	Implementation of a digital Lock-in amplifier in SoC-FPGA for Biomedical Tomography
3094	TL7	Luciano J. Brizuela Alarcon, Matilda Vargas Aignasse, Badia V. Condori Lamas, Martina Torres Gauffin, Justina Rodriguez Ribet, Ezequiel Britos, Carla Goy and Patricio Hans Huttman	Domotic therapy to improve and optimize patient control and comfort (a prototype)
3161	P2	Julieta Carolina Gonzalez and Rossana Madrid	Wearable biosensors for simultaneous detection of glucose and ascorbic acid in noninvasive biofluids – A review
3468	TL7	Ezequiel Ignacio Canay, Leonardo Casal and Ignacio Martin Fenoy	Development of an open-source device to assess lung function in small animals
5660	P2	Carlos Rubén Dell'Aquila, Gabriel Eduardo Cañadas Fragapane, Jon Eric Oliva, Mauricio Sergio Yafar and Eric Laciari Leber	Desarrollo de un sistema para la medición del Tiempo de Tránsito de Pulso en tiempo real
6501	P1	Ian Emilio, María Gloria Longinotti and Gabriel Omar Ybarra	Electrochemical biosensor for E. coli detection using immunomagnetic separation
6502	TL7	Augusto Sebastián Gorbik, Franco Martin Sanchez, Eduardo Filomena and Jose Alberto Biurrun Manresa	Design and development of a module for acquisition, processing and visualization of potentials evoked by the stimulation of nociceptive fibers by radiofrequency
6732	P2	Andres Navarro C, Leonardo Vargas, Patricia Madrinan, Nicolas Salazar and Hugo Juan Camilo Clavijo-Moran	Kinect v2 and Orbbec Astra Pro Cameras for Gait Analysis a Preliminary Comparison
7317	P2	Alejandro Escobar, Facundo Sabater and Daniel Zapata	Feasibility analysis of QCM devices to study blood coagulation dynamics
7665	TL7	Pablo A García, Marcelo A Haberman, Rafael Gonzalez-Landaeta, Enrique M Spinelli and Matias J Oliva	Bioimpedanciómetro basado en microcontrolador de 32 bits
9834	P5	Carlos Enrique Olmos, Carlos Augusto Centeno and Federico Linares	Infusion System of Active Substances with feedback

ID TRABAJO	MODALIDAD Y SESIÓN	EXPERIENCIAS PROFESIONALES	TITULO DEL TRABAJO
522	P3	Valentina Costamagna, Jorge Alberto Romero and Carlos Enrique Olmos	Quality assessment of a mobile mammograph with computed radiography (CR) system in the province of Córdoba
1914	P3	Ivan Jesus Castro, Raul Romo, Gonzalo Quiroga and Adrian Gusberti	Recurrent test protocols in X-ray equipment for medical diagnosis
2881	P3	Luis Rocha	Proyecto Snorkel Tucumán
4048	TL11	Enrique Mario Avila Perona	Actividades y reparación de equipos electromédicos en centros de Salud de distintos departamentos.
4341		Luis Rocha	Programa de Megavacunacion en Tucumán
6570	P4	Christian Manuel Torres Salinas, Manuel Alejandro Barcelò Noguera and Jeremias Adrián Garcia Cabrera	Assembly of Transition Cyclers "Un Respiro" in FaCENA-UNNE
6871	TL11	Lucila Mónica Figueroa Gallo, Gabriela Del Valle Delgado, Christian Álvarez and Dardo Esteban Costas	Impact of clinical engineering on health management during the COVID-19 Pandemic in the "Laboratorio de Salud Pública" - Tucumán
7879	TL11	Jesús Alberto Gonzalez and Hernan Lizarraga	Habilitación de Ingeniería Clínica en el Hospital de la Madre y el Niño de la provincia de La Rioja
8157	TL11	Emilse Farias and Marcelo Vázquez	Implementation of a DIC in Tucumán Model Sanatorium: a success story.
8379	TL11	Lucia Magdalena Bravo Cumpian, Gonzalo Quiroga and Luis Pulenta	Test to evaluate the integrity and obsolescence criteria of PPE against X-radiation
9139	TL11	Tulio Perez and Diego Kadur El Ainie	Experiencia en la gestión de los ventiladores mecánicos en una Unidad de Terapia Intensiva durante su vida útil, el rol de los usuarios.
9918	P4	Edgardo Ariel Diaz, Laura Alejandra Velez Ruiz Gaitan and Edgardo Ariel Diaz	Experiences from the use of Oxygen Health Care Facility Survey as part of the support to developing countries during COVID-19

ID TRABAJO	MODALIDAD Y SESIÓN	FÍSICA MÉDICA	TITULO DEL TRABAJO
264	O SAFIM2	Trinidad González Padin, Nicolas Moyano Brandi, María Paula Del Popolo, Clara Lisazo, Natalia Massaccesi, Rodrigo Alcalá, Federico González, Roberto Isoardi and Daniel Fino Villamil	Comparison between MRI pseudo-diffusion and perfusion techniques in prostate protocol
1120	P SAFIM	Eliana Quinteros, Ezequiel Larger, Ricardo Ruggeri, Maria Sol Gallo and Joaquin De Brida	Automatic programs for image quality control in radiodiagnostics
1459	P SAFIM	Máximo Melchor Marticorena, Daniel Fino, Trinidad Gonzalez Padin, Paula Del Pópolo, Clara Lisazo, Nicolás Moyano, Rodrigo Alcalá, Federico González, Roberto Isoardi and Natalia Massaccesi	Correlation between Molecular Techniques at Breast Multiparametric MRI protocol
1471	O SAFIM3	Manuel F. Robles, Joaquín De Brida, María Sol Gallo and Ricardo M. Ruggeri	Impact assessment on the calculation of administered doses with the use of IGABT in each brachytherapy session versus brachytherapy based on single 3D scan
1552	P SAFIM	Juan Ignacio Drovandi, Héctor Agüero and Diego Rios	Development of photodiode based IOT detector for area monitoring in brachytherapy rooms
1964	P SAFIM	Antonella Natalia Mugneco Guñazú, Guillermo Daniel Álvarez, Celeste Adragna and Arnulfo Ortiz Torres	Absolute dose verification for SRS and SBRT using a farmer-type ionization chamber
2252	P SAFIM	Rosana Pirchio, Paola Bustamante and Sandra Eva Pawlak	Design of phantoms to simulate realistic breast during digital mammography studies – Art of the State
2382	P SAFIM	Florencia Sarmiento Laspiur and Martín Belzunce	Optimization of a multi-atlas method for automated segmentation of the gluteal muscles from MRI
2479	P SAFIM	Paula Del Pópolo, Clara Lisazo, Natalia Massaccesi, Trinidad González Padin, Nicolás Moyano, Roberto Isoardi, Federico Gonzalez and Daniel Fino	Calculation of hemodynamic variables in the head and neck by nuclear magnetic resonance
2681	O SAFIM2	Edgardo Garrigo, Ines Sadir and Caroline Descamps	Unet approach for RapidArc dose distribution prediction in prostate cancer. A feasibility study

ID TRABAJO	MODALIDAD Y SESIÓN	FÍSICA MÉDICA	TÍTULO DEL TRABAJO
2704	O SAFIM2	Ana Maria Cardona Maya, Jose Alejandro Rojas Lopez, Alejandro Germanier, Patricia Murina, Daniel Venencia and Maria Jose Almada	Experimental determination of breast skin dose on anthropomorphic phantom using VMAT and Field-in-Field treatment techniques
3625	P SAFIM	Milagros Ledesma and Martin Belzunce	Convolutional Neural Network for Low Dose PET
3979	O SAFIM1	Rosana Pirchio, Amalia María Stefanic and Gonzalo Nicolas Pérez	Estimation of Reference Levels Dose during Breast Digital Tomosynthesis studies with FUJIFILM AMULET INNOVALITY equipment and using phantoms
4484	O SAFIM2	Daniel Venencia, Maria Jose Almada, Oscar Apaza, Ivan Marquez and Oscar Muriano	Validation of automatic planning Scripts for prostate SBRT with and without lymph nodes
5321	O SAFIM2	Christian Horacio Silva Gonzalez and Hector Ricardo Agüero Goyochea	Characterization of OSLD nanoDot in electron external beam radiotherapy
5350	P SAFIM	Jorge Escobar, Mauricio Franco and Gonzalo Romero	E2E in stereotactic radiosurgery with cones
5421	O SAFIM2	Mariana Andrea Prieto Canalejo, Mauro Namías and Daniel Minsky	Generation of synthetic CT for SPECT attenuation correction in myocardial perfusion imaging with deep convolutional neural networks
5610	O SAFIM2	Rodrigo Alcalá, Trinidad Gonzalez, Nicolas Moyano, Paula Del Popolo, Clara Lisazo, Natalia Massaccesi, Federico Gonzalez, Roberto Isoardi and Daniel Fino	Tissue stiffness as differential tumor biomarker for prostate and liver.
7176	O SAFIM3	Rogelio Manuel Diaz Moreno, Gonzalo Núñez and Carlos Daniel Venencia	Assessment of the distortion correction capability of a TPS by means of a virtual phantom
7246	P SAFIM	M. Agustina Savio Salas, Caroline Descamps and Edgardo Garrigo	Application of the risk matrix method to brachytherapy treatments
8177	P SAFIM	Celeste Adragna, Arnulfo Ortiz Torres, Antonella Natalia Mugneco Guiñazú and Guillermo Daniel Alvarez	Magnetic Resonance-Image Guided Brachytherapy. Clinical implementation and experience.
8810	P SAFIM	Caroline Descamps, Edgardo Garrigo and Diego Fernandez	High dose rate brachytherapy with customized molds for facial skin lesions
9331	O SAFIM1	Rosana Pirchio, Amalia María Stefanic and Gonzalo Nicolas Pérez	Measurement of Average Glandular Dose of 300 patients with DBT, DBT-FFDM mode and FFDM using a new made home tool
9931	O SAFIM2	Ignacio Bartol, Virginia Venier and Humberto Romano	Optimización de protocolo PET/MR para patologías neuropsiquiátricas

ID TRABAJO	MODALIDAD Y SESIÓN	INFORMÁTICA MÉDICA	TÍTULO DEL TRABAJO
2782	TL9	Parag Chatterjee, Josemaría Menéndez, Ofelia Noceti, Solange Gerona, Melina Noelia Toribio Conde, Leandro Javier Cymberknop and Ricardo Armentano	Predicting Cardiometabolic Diseases in Liver Transplant Patients in Uruguay
6841	TL9	Camila Primosich, María Azul Molaro Battisti, Paola Catalfamo Formento, Victor Valotto and Claudia Bonell	Functional design of a software to obtain spatio-temporal parameters of human gait
9833	TL9	Juan Manuel Reyna, Juan Pablo Graffigna, Alfredo Rogelio García and Pablo Matías Holeywell	Comparative Analysis in Medical Image Communication Services.

ID TRABAJO	MODALIDAD Y SESIÓN	MODELOS Y SIMULACIÓN DE SISTEMAS BIOMÉDICOS	TITULO DEL TRABAJO
737	TL4	Lucas P Acosta, Ramiro Olleac, Daniel G. Goroso and Fernando D. Farfán	Comparative mechanical study from supramalleolar osteotomy on a 3D virtual model
1779	TL4	Valentín A. Catacora, Mariano Fernández-Corazza and Enrique M. Spinelli	Simulation of single fiber action potentials in a cylindrical EMG model: a comparative study
3081	TL4	Brenda A. Weiss, Sebastián Ubal and José Di Paolo	Knee prostheses modelling: deformation of the low rigidity component
4382	P1	Feliciano Franco, Diego Martín Campana, Carlos Borau Zamora and Marcelo Eduardo Berli	Potential effects of physical activity during menopause according to a computational model of bone remodeling applied to the femur
4993	TL4	Exequiel Rodrigo Frías, Brenda Weiss, Marcelo E. Berli and José Di Paolo	Parametric analysis of a polymeric aortic valve prosthesis: structural study for non-basal loading.
7865	TL4	Juan P.G. Marí, Carlos A. Perazzo and Damian Craiem	NUMERICAL SIMULATION OF A VENTRICULAR DIASTOLIC FILLING

ID TRABAJO	MODALIDAD Y SESIÓN	INGENIERÍA CLÍNICA Y GESTIÓN DE TECNOLOGÍA MÉDICA	TITULO DEL TRABAJO
1110	TL8	Débora Rubio, Matías Nicolás Castañeira, María Guadalupe Salguero, Marcos Manuel Meraviglia, Débora Arce, Francisco Madrid and Sergio Damián Ponce	Primary Health Care: An example of electronic medical record implementation and barriers to adoption and use
1551	TL8	Micaela Narvaez, Claudia Edith Bonell, Gabriel Maximiliano Leikan, Alejandra Cristina Morales and Diego Omar Kadur El Ainie	Assessment of the operation of flowmeters in use for oxygen therapy in health institutions
3341	TL8	Luis Pulenta, Gonzalo Quiroga and Diego Gomez	Determination of biological residue on surfaces of medical equipment
3514	TL8	Francisco Manuel Madrid, Debora Rubio, Matias Castañeira, Maria Guadalupe Salguero, Marcos Manuel Meraviglia, Debora Arce and Sergio Damián Ponce	Medical Ecosystem: Smart Health Management Platform
4330	P4	Jorge Daniel Romero	Reinstallation of hemodialysis room without hospitalization (ESSIT) in the Public System of Tierra del Fuego, due to a fire in the Service
4928	P4	Ignacio Marolla	Metodología de Evaluación y Selección de Equipamiento Médico de Alta Complejidad: Aplicación de Técnicas de Análisis Multicriterio
4981	P4	Gonzalo Quiroga and Luis Pulenta	Biosafety capsule for COVID-19 patient transport
6301	TL8	Andrea Hongn, Lucila Mónica Figueroa Gallo and Juan Manuel Olivera	Quality and risk management for acoustic pollution in intensive care units
6677	P4	Luis Pulenta and Gonzalo Quiroga	Development and application of a priority coefficient for the purchase of medical equipment.
6697	TL11	Cintia Belén Páez, Rocío Belén Buenamaizón, Luis Pulenta and Pablo Morales	Analysis of Cleanrooms and controlled environments in highly complex hospital
7349	P4	Jorge Daniel Romero, Adrian Schwerdt and Leandro Faccendini	Use of UVC radiation as a complementary disinfection element in the Covid-19 Pandemic in 2020. Ushuaia, Tierra del Fuego.
9794	P4	Jorge Daniel Romero and Federico Paschetta	Structures Analysis of Biomedical Technology Services in Public Health of Argentine Patagonia. Proposal for the organization and functions of the Biomedical Technology Service.
3807	P2	Mayla dos Santos Silva, Luciana Alves Fernandes, Mariana Ribeiro Brandão, Suélia de Siqueira Rodrigues Fleury Rosa and Antônio Piratelli-Filho	Analysis of failures in operating infusion pumps in a Brazilian hospital
4100	TL8	Nestor Pistillo, Fernando Ballina, Ezequiel Mazzoni and Ignacio Marolla	DAILY ASSESSMENT OF SPECIFIC MECHANICAL POWER WAS USEFUL TO PREDICT THE RISK OF DEATH DUE TO REFRACTORY HYPOXEMIA IN PATIENTS WITH SARS-CoV2

ID TRABAJO	MODALIDAD Y SESIÓN	PROCESAMIENTO DE IMÁGENES	TITULO DEL TRABAJO
392	TL3	Milagros Ledesma, Javier Cebeiro and Marcela Morvidone	AI-based descriptors of the distribution of SARS-CoV-2 in chest CT-scans
1979	TL3	Diego Sebastián Comas, Agustín Amalfitano, Luciana Simón González, Gustavo Javier Meschino and Virginia Laura Ballarin	Pneumonia classification and analysis in Chest X-ray by means of Convolutional Neural Networks
2607	TL3	Pablo Javier De Arriba Senigaglia, Rocío Belén Buenamaizón, Elisa Delahaye, Juan Pablo Graffigna, Rodolfo Eduardo Rodríguez Schmädke, Graciana Galiana and Omar Urquizu	Anatomical Localization of Effective Connectivity Map Applied to Epilepsy Treatment.
2613	P3	Elisa Mariel Delahaye, Pablo Javier de Arriba, Rocío Belén Buenamaizón, Juan Pablo Graffigna, Graciana Galiana and Raúl Otoya	Metrics applied to brain neural networks
2776	TL3	Rocío Belén Buenamaizón Delgado, Juan Pablo Graffigna, Virginia Ballarin, Jorge Rasmussen and Lucia Magdalena Bravo Cumpian	Evaluation of segmentation tools applied to epilepsy
2867	P3	Juan Ignacio Pastore, Cristian Emanuel Ordoñez and Virginia Laura Ballarin	Leukocyte segmentation using morphological reconstruction defined in a fuzzy color space
4922	TL3	Agustín Amalfitano, Diego Sebastián Comas, Gustavo Javier Meschino and Virginia Laura Ballarin	Convolutional Neural Networks and feature-visualization for pathology classification in Mammograms
5592	TL3	Luz V. Stipechi, Mariano E. Casciaro, Federico N. Guilenea, Elie Mousseaux and Damián Craiem	Non-invasive intraventricular pressure differences estimated with 4D-Flow cardiac MRI
6711	TL3	Mateo E. Balla, Federico N. Guilenea, Elie Mousseaux, Mariano E. Casciaro and Damián Craiem	Ascending and Descending Aorta Segmentation Using Convolutional Neural Networks in Non-Contrast CT Images
7583	P3	Matias Rafael Castorina, Demian Nosedá, Francisco Javier Buchelly Imbachi, Virginia Laura Ballarin and Juan Ignacio Pastore	App development for measuring seminal quality of bovine sperm in situ
8163	TL10	Marco Antonio Lopez Ibarra, Melisa Frisoli, Gustavo Bizai, Diego Evin, Luis Clementi, Alejandro Hadad and Ariel Braidot	In Vivo obtention and representation of Muscle's Paths from Magnetic Resonance Images
8269	TL10	Gustavo Javier Meschino, Noelia Inés Echeverría, Rodrigo Azpilcueta, Lucía Isabel Passoni, Gerardo Tusman and Cecilia Acosta	Computation of Scores by Pattern Recognition in Lung Ultrasound Videos
8275	P3	Cristian Ordoñez, Iván Roa, Pablo Ioli, Juan Ignacio Pastore and Eduardo L. Blotta	Eye-movement-based assessment of cognitive and neuropsychological disorders
8794	P3	Antonella Belén Sagripanti, María Agustina Quiroga and Conrado Javier Rodríguez	Infrared image processing software for early detection of lower limbs sports injuries
9106	P3	Fernando Esteban Icazatti, Juan Pablo Graffigna, Pablo Barcelo, Rocío Buenamaizón and Ricardo Berjano	Post-processing of medical image for neurosurgical planning with academic purposes
9540	TL10	Hernán J. Rodríguez Ruiz Díaz, Gustavo Bizai, Adrian Carlos Salvatelli, Diego Evin and Alejandro Hadad	Application of image and video processing techniques to eye fundus with retinopathy of prematurity acquired from a smartphone
9769	TL10	Marcelo Guzmán, Melina Nisenbaum, Silvia Murialdo and Gustavo Javier Meschino	Determinación de la Carga Microbiana en Agua por Medio del Análisis de Patrones de Speckle Dinámico

ID TRABAJO	MODALIDAD Y SESIÓN	PROCESAMIENTO DE SEÑALES BIOMÉDICAS	TÍTULO DEL TRABAJO
1061	TL1	Santiago Collavini, Mariano Fernández-Corazza, Mauro Granado, Silvia Kochen and Carlos Horacio Muravchik	An effective connectivity model based on excitation-inhibition imbalance to classify states of the epileptogenic network
1773	TL1	Celia Elina Tagashira, Fernando Daniel Farfán, María Dolores Grima Murcia, Ana Lía Albarracín and Eduardo Fernández	Exploring Children's Pleasure and Unpleasure Emotions Through Brain Oscillatory EEG ERD/ERS Responses
2098	TL1	Estefany Gabriela Cujano Ayala, Gustavo Javier Meschino, Adriana Gabriela Scandurra, Noelia Inés Echeverría, Gerardo Tusman and Lucía Isabel Passoni	Features Extraction with Wavelets for Plethysmography Signal Classification
2974	P2	Juan Facundo Fernandez Biancardi, Marco Gabriel Baldiviezo, Juan Luis Barberia, Masia Rebeca Hernando, Lorenzo Licata Caruso, Adrian Ezequiel Paglia and Walter Edgardo Legnani	Application of Transition Patterns in the Classification of Electrocardiograms
3603	TL1	Fernando Farfan, Fabrizio Grani, Cristina Soto-Sanchez and Eduardo Fernandez	Local electrophysiological responses during the intracortical electrical microstimulation and phosphene perception: An approach in the context of cortical visual prostheses
3748	P2	Tomás Ratti, José Biurrun Manresa and Christian Mista	A pipeline for source localization with different inverse solution methods: application in movement related cortical potentials.
4236	TL15	Joaquin Victorio Ruiz, Gastón Schlotthauer and Marcelo Alejandro Colominas	Denosing Biomedical Signals with Wave-Shape Functions
5104	P5	Ignacio Gabriel Ziccardi, Walter Edgardo Legnani and Andrea Alejandra Rey	ECG multiclass classification using time features, information measures and non-linear parameters
5747	P2	Martina Torres Gauffin, Justina Rodríguez Ribet, Matilda Vargas Aignasse, Luciano J. Brizuela Alarcón, Patricio H. Hüttmann, Carla B. Goy and Ezequiel Britos	EMG signals acquisition to control servo motors
6502	TL15	Augusto Sebastián Gorbik, Franco Martin Sanchez, Eduardo Filomena and Jose Alberto Biurrun Manresa	Design and development of a module for acquisition, processing and visualization of potentials evoked by the stimulation of nociceptive fibers by radiofrequency
8768	TL15	Ariel Alejandro Amadio, Andrea Rey, Otero Dino, Cristian Bonini, Hernán García Blesa and Walter Legnani	A preliminary study characterizing the adult diabetes using the entropy complexity plane
9549	TL15	Pablo Daniel Cruces and Pedro David Arini	A novel normalization of vectorcardiogram to enhance markers of differences between hERG and multichannel drugs
9728	P3	Agustina Garces Correa, Lorena Orosco and Eric Laciari	Analysis of parameters that characterize drowsiness based on EEG, ECG and EOG records
9929	P3	Gerardo L. Padilla and Fernando D. Farfán	Multi-state discriminability analysis of SSVEP responses based on a single frequency flicker BCI
9975	P4	Fernando Farfan, Fabrizio Grani, Cristina Soto-Sanchez, Maria Dolores Grima-Murcia and Eduardo Fernandez	Functional Brain Connectivity in Phosphene Perception Evoked by Cortical Electrical Stimulation: Preliminary results
9922	TL15	Matías Yerro Avincetto, Mariela Azul Gonzalez, Lucia Isabel Passoni and Jorge Vivas	Affective values estimation in distributional semantics through Artificial Neural Networks
4898	TL15	Natasha Maria Monserrat Bertaina Lucero, Johanna Casado and Beatriz García	The use of sonification in data analysis: a Psychopy training test

ID TRABAJO	MODALIDAD Y SESIÓN	SISTEMAS NEUROMUSCULARES E INGENIERÍA DE REHABILITACIÓN	TITULO DEL TRABAJO
820	TL2	Federico Gustavo Mercado, Emilio Raul Kenan Bueno and Natalia M. López	Passive Rehabilitation System for Upper Limb Recovery
1084	P2	Fiorella Riccobelli, Luciano Carmona, Silvia Rodrigo, Emilce Quiroga, Adriana Quiroga, Pablo Diez and Enrique Avila Perona	Development of a system for rehabilitation and assessment of visual function based on evoked potentials
1519	TL2	Diego Arévalo, Alejandro Genolet, Leandro Mayrata, José Biurrún Manresa and Rosa María Weisz	Development of a multimodal platform for quantitative sensorimotor assessment
2287	TL2	Melina Luciana Pilz and Rubén Acevedo	ERD detection in EEG-based BCI using power spectral density and support vector machines
2335	P3	Lucas P Acosta, Ana B. Zamora and Fernando D. Farfán	Design of a wrist orthosis prototype from a 3D arm model using 3D printing
3224	P5	Luciano Benjamín Recalde Carballo, Carolina Villegas Colmán, José Núñez and César Yegros	Assistive prototype using speech recognition and eye tracking
3539	TL2	Paula Cardoso, Ricardo Mello and Anselmo Frizera	Handling Complex Smart Walker Interaction Strategies with Behavior Trees
4081	P2	Alejandro Gomez Montoya, Natalia Lopez, Luisa Fernanda Villa Montoya and Olga Lucía Quintero Montoya	Network maps centrality-based from emotional EEG signals
4379	TL2	Diego Antonio Beltramone, Marcela Fabiana Rivarola, Carina Inés Yonahara and Matías De Anquin	Software proposal to evaluate people with disabilities comprehensively through the International Classification of Functioning ICF
4984	TL2	Julian Furios, L. Carolina Carrere and Carolina. B. Tabernig	A comparison of methods for the determination of event-related desynchronization onset latency
5375	P5	Daniela F. Mamaní, Anahí M. Sulca, Nancy L. Brambilla, Ana J. Meirovich, Diego Obregón and Nadia M. Leizica	Prototype of nystagmus diagnostic system using gaze tracking
5498	P5	Leonel Gutierrez Candia, Claudia Edith Bonell and Paola Catalfamo Formento	Evaluation and comparison of goniometric tools on knee joint of healthy subjects
6240	P2	María Belén Masset, Lucía Carolina Carrere and Carolina Beatriz Tabernig	A usability evaluation protocol for an hybrid brain-computer interface aimed at attention-deficit disorder rehabilitation

ID TRABAJO	MODALIDAD Y SESIÓN	SISTEMAS NEUROMUSCULARES E INGENIERÍA DE REHABILITACIÓN	TITULO DEL TRABAJO
6405	TL13	Alejandro Rodrigo, Elisa Perez, Fernando Tettamanti, Emanuel Tello and Natalia M. López	Serious Game development for the rehabilitation of skill movement in the upper limb
7014	TL13	Ignacio Riveros, Luciano Schiaffino and Esteban Nahuel Osella	Towards an open rehabilitation device using recumbent cycling
7406	TL13	Daniel Gomez-Vargas, Sophia Otalora, Felipe Ballen-Moreno, Flavio Roberti, Ricardo Carelli, Marcela Munera and Carlos A. Cifuentes	Preliminary Validation of the Unilateral AGoRA Lower Limb Exoskeleton during Gait Assistance in Treadmill and Overground
7618	TL13	Franco Comin, María Lucía Urrestarazu, Mario Mouche and Sebastián Graf	Desarrollo de un sistema para la evaluación de las lateralidades y dominancias corporales
8143	TL13	Juan Iturrieta, Elisa Perez, Fernando Tettamanti and Natalia Lopez	Validation and development of a posture quantification and classification technique using MediaPipe Pose
8282	TL14	Ayelén Melisa Carlos, María Belén Hidalgo, Ana Josefina Meirovich and Diego Antonio Beltramone	Proposal for an Assistive Technology Department model in neurorehabilitation centers
8491	P3	Cintia Belén Páez, Emanuel Tello and María Elisa Pérez	Survival in the forest: Serious game for cognitive stimulation of patients
9561	TL14	Leonardo Ariel Cano, Alvaro Gabriel Pizá, Eduardo Fernández Jover and Fernando Daniel Farfán	Motor planning efficiency based on reaction time. A measure for cognitive demand.
9608	P3	Emilio Kenan, Federico Mercado, Marcela Céspedes and Natalia López	Analysis of structural failure evaluation of rehabilitation devices prototyped with additive technology
9617	P3	Diana Vértiz del Valle, Alejandro Quiroga, Melina Pilsz and Rubén Acevedo	Performance evaluation of SVM and MLP in EEGbased brain-computer interfaces for neurorehabilitation
9623	TL14	Leonardo Ariel Cano, Alvaro Gabriel Pizá, David Barbado Murillo, Eduardo Fernandez Jover and Fernando Daniel Farfán	Determining corticomuscular connectivity on motor reaction tasks. A step-by-step proposal for EEG and EMG signals processing.
9992	TL14	Pedro Pablo Escobar, Franco Déber, Raúl Emilio Romero, Silvano Rossi, Roberto Juan de la Vega and Roberto Leegstra	Design of a stretcher for advanced assessment of lower limbs rehabilitation