



## SABI2020

### Sesión 12 - Procesamiento de señales

Moderadores: Leandro Cymberknop y Pablo Musé

Jueves 5 de marzo, de 10:15 a 12:00 - La Fontana

Trabajos aceptados: 16

#### Presentaciones orales

Horario de presentación	N°	Titulo	Autores
10:15 - 10:30	101	Functional networks for processing complex images: Towards a better understanding of spatio-temporal dynamics of pleasant and unpleasant emotions	Fernando Daniel Farfán, María Dolores Grima-Murcia, Vicente Caruana, María J Ortiz, M.A. Lopez-Gordo, Angela Bernabeu-Araoz, José M. Ferrandez and Eduardo Fernandez
10:33 - 10:48	70	Wavelets and SVM analysis applied to signals responsive to auditory and visual stimulus captured by EEG in students with ADHD	Marilda Spindola, Rogério Gabriel and Marcello Chiaramonte
10:51 - 11:06	73	A preliminary study of the music and bioengineering: Towards the generation of melodies through synergistic patterns of the flexor and extensor muscles of the forearm	Paula A Feldman, Milagros Pidutti, Álvaro G. Pizá, Myriam C. Herrera and Fernando D. Farfán
11:09 - 11:24	113	Neural network approach for detection of changes in arterial blood pressure using photoplethysmography signals	Noelia Inés Echeverría, Adriana Gabriela Scandurra, Gerardo Tusman, Estefany Gabriela Cujano Ayala and Lucía Isabel Passoni
11:27 - 11:42	116	Temporal and spectral characterization of EMG signals in a model of Parkinson's disease in rats	Ana L. Albarracin, Fernando D. Farfán, Pablo Y. Teruya, Alvaro G. Pizá, Jorge H. Soletta and Facundo A. Lucianna
11:45 - 12:00	17	Association Rules applied to the detection of the subthalamic nucleus for DBS surgery in patients with Parkinson's disease	Melisa Fernández, Marisa Battisti, Alfredo Rosado Muñoz and Luciano Schiaffino

#### Pósters

N°	Titulo	Autores
24	Wearable Technology: Wearable Device as a Nursing Support Decision Making	Fernanda Diniz Flores, Marta Rosecler Bez, Blanda Helena De Mello and Claudio Felipe Kolling Da Rocha
32	Driver fatigue EEG signals detection by using robust univariate analysis	Antonio Quintero-Rincon, María Eugenia Fontecha and Carlos D'Giano
71	Evaluación de estacionariedad en señales electromiográficas dinámicas	Gabriel Ruiz, Álvaro Pizá and Fernando Farfán
84	Poincaré plot parameters analysis in studies of ultra short RR series	Jose Gallardo, Giannina Bellone, Daniel Vigo, Rubén Acevedo and Marcelo Risk
115	Distinguishing between resting and anticipatory states in the EEG of healthy subjects	Roy Tzur, Michel Kohn and Marcelo David
118	Improving Feature Selection in Riemannian Tangent Space: a New Approach for MI-BCI Detection	Catalina María Galván, Hugo Sacha Uriel Hernández, Ruben Darío Spies and Victoria Peterson
144	Refractory Epilepsy Treatment Devices: a Review	Natalia Garay Badenian, Franco Simini and Humberto Prinzo
152	Adaptive neuro-fuzzy as a closed-loop model for deep brain stimulation in Parkinson's disease	Gabriel Martín Bellino and Luciano Schiaffino
196	Brainstem Electric Response Audiometry in a Normal Population	Natalia Garay Badenian, María Sol Fassani, María De Los Ángeles Pagés, Jochen Hackembruch and Franco Simini
224	Comparing Reading Formats based on Electroencephalographic (EEG) Signals	Luis Alberto Galarza Aguilar, Klever Mauricio Tepan Quilli and Ana Cecilia Villa Parra



15 de febrero de 2020  
CONVOCA:

