CURRICULUM VITAE

PERSONAL INFORMATION

Last name: Fushimi
First name: Emilia
Address: La Plata (1900), Buenos Aires, Argentina
Email: emilia.fushimi@ing.unlp.edu.ar
Place birth: Ciudad Autónoma de Buenos Aires, Argentina
Date of birth: December 25th, 1993.
Marital status: Single
Nationality: Argentinian
Passport number: AAB026044

EDUCATION

High School:
Bachiller – Servicio de Educación a Distancia (SEAD) del Ministerio de Educación de la República Argentina – 2011. CABA, Argentina.

The Woodlands High School – Cum Laude – 2011. The Woodlands, TX, USA.

Undergraduate:
Electronic Engineer – School of Engineering, UNLP – 2017
Undergraduate Thesis: *Tuning and Validation of Algorithms for Glucose Control.*

AWARDS, SCHOLARSHIPS AND FELLOWSHIPS

Doctoral Fellowship
Date: 01/04/2017
Place: LEICI – Institute of Electronics, Control and Signal Processing (UNLP-CONICET)
Research: Multivariable control and safety layers for the artificial pancreas.
Institution: CONICET
Advisor: Dr. Ing. Fabricio Garelli

CONGRESS ATTENDANCE

Event: Congreso AADECA 2016 – 25º Congreso Argentino de Control Automático – Semana del Control Automático.
Participation: author and presenter
Place: Buenos Aires, Argentina
Date: November 1 – 3, 2016.

Event: 10th International Conference on Advanced Technologies & Treatments for Diabetes (ATTD)
Participation: author.
Place: Paris, France
Date: February 15 – 18, 2017.

Event: 4º Jornadas de Investigación, Extensión y Transferencia (JITE) de la Facultad de Ingeniería, UNLP.
Participation: author and presenter.
Place: La Plata, Buenos Aires, Argentina
Date: April 4 – 7, 2017.

SCIENTIFIC PUBLICATIONS

Emilia Fushimi, Nicolás Rosales, Hernán De Battista, Fabricio Garelli "*Open to Closed Loop Transition Schemes For In Vivo Glucose Control*". AADECA 2016 – 25º Congreso Argentino de Control Automático. Buenos Aires, Argentina. Nov 2016. Publicación de trabajo completo; referato de trabajo completo. ISBN 978-950-99994-9-7.

Nicolás Rosales, Emilia Fushimi, Hernán De Battista, Fabricio Garelli "*Esquemas de Transición entre Lazo Abierto y Lazo Cerrado para el Control de Glucosa In Vivo*". 4º Jornadas de Investigación, Transferencia y Extensión - FI UNLP. La Plata, Bs. As., Argentina. Abril 2017. Publicación de trabajo completo; referato de trabajo completo. ISBN 978-950-34-1453-8.

Fabricio Garelli, Emilia Fushimi, Nicolás Rosales, Hernán De Battista, "*Open to Closed Loop Transition Schemes For In Vivo Glucose Control*". 10th International Conference on Advanced Technologies & Treatments for Diabetes (ATTD). Paris, France. Feb 2017. Publicación de resumen; referato de resumen extendido. ISSN 1520 – 9156

TEACHING EXPERIENCE

Teaching Assistant
Course: Mathematics for Engineering
April 2017 - Present

Teaching Assistant
Course: Mathematics A
August 2014 – April 2017

Teaching Assistant
Course: Circuits Theory II
April 2016 - Present

Teaching Assistant
Course: Introduction to Signal Processing
September 2015 – February 2016

Teaching Assistant
Course: Electric Measurements
March 2015 – September 2015

RELEVANT COURSES

Graduate Courses

- "Sliding Regimens and their application to the Control of Systems". EPEC, School of Engineering, UNLP. Duration 60hs. Teachers: Ing. Ricardo Julián Mantz, Dr. Ing. Fabricio Garelli. Assited. 2016.

- "Linear Algebra". EPEC, School of Engineering, UNLP. Duration 60hs. Teacher: Dr. Raúl Rossignoli. In Course. 2017

- "Introduction to the analysis of nonlinear systems". EPEC, School of Engineering, UNLP. Duration: 90hs. Teachers: Dr. Ing. Pablo Puleston, Dra. Ing. Carolina Evangelista, Dr. Ing. Miguel Mayosky. In Course. 2017

- "Science, Technology and Society". Cátedra Libre Science, Politics and Society, UNLP. Duration: 60hs. Teachers: Dr. Gabriel Bilmes. In course. 2017

Technical Courses

- PLC WorkShop S7-1200 and TIA Portal. Siemens. La Plata, Buenos Aires, Argentina. 2016.