Ing. Diego Daniel Santiago
PhD Candidate
CONICET scholarship holder

Date of birth: 18/01/1988

Nationality: Argentinian

EDUCATION AND TRAINING

2013 – Present: PhD candidate in Control Systems Engineering at INSTITUTO DE AUTOMATICA, UNIVERSIDAD NACIONAL DE SAN JUAN, San Juan, Argentina.

10/2006–09/2012: Electronic Engineer at UNIVERSIDAD NACIONAL DE SAN JUAN, San Juan, Argentina.

LANGUAGE TRAINING

English. Workload: 890 hours. Institution: Saint Paul School of English.

WORK EXPERIENCE

10/2014 – Present: Simple JTP professor of Object-oriented programming at *Facultad de Ingeniería – Universidad Nacional de San Juan*

03/2014 – Present: PhD Thesis Project at *Instituto de Automática – Universidad Nacional de San Juan.*

02/2012–12/2013: Supervisor of automatic fire suppression systems. Maintenance Supervisor at *DISEI srl.*

03/2010–11/2011: Electronic technician at *ICEM srl.*

01/2009–12/2010: Electronic technician at *ZOBERANO srl.*

TRAINING COURSES

- Robot Control. Institution: UNSJ - INAUT. Year: 2014. Argentina.
- Advanced Digital Control. Institution: UNSJ - INAUT. Year: 2013. Argentina.
- Advanced Optimal Control. Institution: UNSJ - INAUT. Year: 2013. Argentina.
- Elements of Functional Analysis. Institution: UNSJ - INAUT. Year: 2013. Argentina.
- Non Linear Systems. Institution: UNSJ - INAUT. Year: 2013. Argentina.

• Modeling and Identification of Systems. Institution: UNSJ - INAUT. Year: 2013. Argentina.

• PLC Programmable Logic Controllers I. Institution: SENA. Year 2012. Colombia.

• Object-oriented programming: Java. Institution: SENA. Year 2012. Colombia.

• GPS and GPRS applications with PIC. Institution: MCelectronics. Year 2012. Argentina.

• Design and Development of Printed Circuits. Institution: SENA. Year 2012. Colombia.

• PIC microcontrollers. Institution: IEEE - UNSJ. Year 2010.

• Introduction to Mobile Robotics. Institution: IEEE - UNSJ. Year 2009. Argentina

• Introduction to the MATLAB / SIMULINK system. Institution: IEEE - UNSJ. Year 2009. Argentina.

HUMAN RESOURCES TRAINING

Direction of Final Graduation Work: 7

PUBLICATIONS

PUBLISHED JOURNAL PAPERS

Slawiński, E., Mut, V., and Santiago, D.: '**PD-like controller for delayed bilateral teleoperation of wheeled robots**', International Journal of Control, 2016, pp. 1-24

Santiago, D., Slawiński, E. and Mut, V.,: '**Stable Delayed Bilateral Teleoperation of Mobile Manipulators**', Asian Journal of Control, 2017, pp. 1140-1152 .

Slawiński, E., Santiago, D., Chavez D. and Mut, V.: '**Esquema Tipo-PD más Impedancia Modificado para Teleoperación Bilateral de un Robot Móvil considerando Retardos de Tiempo**', Revista Politécnica, 2017, pp. 59 - 68

PROCEEDINGS OF NATIONAL CONFERENCE AND WORKSHOP PAPERS

Santiago, D., Herrera, D., Slawiński, E., and Mut, V.: **'Mapeos continuos para teleoperación de Manipuladores Móviles**', VIII Argentine Robotics Conference (JAR 2014).

Slawiński, E., Santiago, D, and Mut, V.: **'Control scheme for delayed bilateral teleoperation of a mobile robot**', IEEE XVI Workshop on Information Processing and Control (RPIC 2015).

Slawiński, E., Santiago, D, and Mut, V.: **'Delayed Bilateral Teleoperation of a Quadcopter**', 25º Argentine Congress of Automatic Control (RPIC 2016)

SEMINARS AND WORKSHOP

20/12/2015: Santiago, D, Slawiński, E. and Mut, V., and.: **"Shared Academic Software"** at Instituto de Automática UNSJ-CONICET.

27/05/2016: Santiago, D.: "**Teleoperación bilateral de robots móviles**" at Instituto de

Automática UNSJ-CONICET.

TECHNICAL CONTRIBUTIONS

06/06/2014: Santiago, D.: **VREP Robotic Simulator Shared memory communication plugin.** www.coppeliarobotics.com/contributions.htm

10/12/2015: Santiago, D., Slawiñski, E., L. Salinas, S. Godoy and Mut, V.: **Shared Academy Software (SAS).**
https://drive.google.com/drive/folders/0B2jklwyyOJqPNVA2SWFSaGFSNnc?usp=sharing