Allegato alla domanda di partecipazione
Curriculum formativo, didattico, scientifico e professionale del candidato

Dichiarazione sostitutiva di certificazioni Dichiarazione sostitutiva dell'atto di notorietà

(Art. 46, D.P.R. 28 dicembre 2000 n. 445)

(da sottoscrivere davanti all'impiegato addetto o da presentare o spedire con la fotocopia di un documento di identità)
(Art. 47, D.P.R. 28 dicembre 2000 n. 445)

Estremi del bando di selezione	Codice Selezione n. 18A_23
Informazioni aggiornate al	11/07/2023
Nome e Cognome	Jerónimo José Moré
Data di nascita	24/11/1982

Esperienza professionale

Periodo	Ente	Principali attività e responsabilità
Since 01/03/2022	**Universidad Nacional de La Plata (UNLP)**	**Ordinary Associate Professor**
Since 01/06/2014	**Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)**	**Associate Researcher**
01/04/2008 – 31/03/2022	**Universidad Nacional de La Plata (UNLP)**	**Assistant Professor**

Istruzione, formazione (es. titoli di studio, certificazioni professionali/linguistiche/informatiche)

Data	Titolo / Principali tematiche	Ente
12/11/2007	**Master on Electronic Engineering**	**Universidad Nacional de La Plata**
16/12/2014	**Ph.D in Engineering**	**Universidad Nacional de La Plata**
2010	**ENGLISH - LEVEL III**	**University Language Center**

Pubblicazioni / Convegni

J. L. Anderson, J. J. Moré, P. F. Puleston and V. Roda, "Control Super-Twisting con adaptación basada en cruce por cero. Análisis de estabilidad y validación [Super-Twisting control with adaptation based on zero crossing. Stability analysis and validation]", Revista Iberoamericana De Automatica E Informatica Industrial, ISSN: 1697-7912, 2022.
J. L. Anderson, J. J. Moré, P. F. Puleston and R. Costa-Castelló, "Fuel Cell Module Control Based on Switched/Time-Based Adaptive Super-Twisting Algorithm: Design and Experimental Validation", IEEE Transactions on Control Systems Technology, 2021. doi: 10.1109/TCST.2022.3169441
Anderson Azzano, J.L.; Moré, J.J.; Puleston, P.F. "Stability Criteria for Input Filter Design in Converters with CPL: Applications in Sliding Mode Controlled Power Systems". Energies 2019, 12,4048.
Anderson Azzano, JL, Moré, JJ, Puleston, PF. "Design and stability analysis of a super-twisting controller for a PS-FBC–based fuel cell module". Adv Control Appl. 2019; e19. https://doi.org/10.1002/adc2.19
J.J.Moré, P.F.Puleston, E.Fossas and C.Kunusch, "Decoupled Inputs Sliding Mode

Controllers for a Fuel Cell-Supercapacitor Module in Hybrid Generation Applications". Int. Journal of Energy and Environmental Engineering, Springer (ISSN 2008-9163). 2018.
Moré J. J., Puleston P.F., Kunusch C., Allue M. "Development and Implementation of a Supervisor Strategy and Sliding Mode Control Setup for Fuel Cell-Based Hybrid Generation Systems". Transactions on Energy Conversion, IEEE (ISSN 0885-8969), Vol. 30, Issue 1 (2015), pp. 218- 225. Internacional. DOI: 10.1109/TEC.2014.2354553
Gubkien, Alex B.; Moré, Jerónimo J.; Mancini, Clasus N.; Puleston, Paul F.; "Análisis y Evaluación Experimental de Topologías Híbridas de Almacenamiento basadas en Supercapacitores para Vehículos Eléctricos [Analysis and Experimental Evaluation of Hybrid Storage Topologies based on Supercapacitors for Electric Vehicles]". 28º Congreso Argentino de Control Automático, AADECA 2023, Buenos Aires, Argentina. May 16 to 18, 2023
Anderson J.L., Moré J.J., Puleston P.F., Roda V. y Costa-Castelló R., "Control Super-twisting con adaptación basada en cruce por cero: Análisis de estabilidad y validación experimental [Super-Twisting Control with Adaptation Based on Zero Crossing: Stability Analysis and Experimental Validation]", XIX Reunión de Trabajo en Procesamiento de la Información y Control, RPIC 2021, San Juan, Pcia. De San Juan, Argentina. November 3 to 5, 2021
J. L. Anderson, J. J. Moré, P. F. Puleston, V. Roda, R. Costa-Castelló "Implementación y validación experimental del control de un sistema híbrido basado en pilas de combustible para vehículos eléctricos [Implementation and experimental validation of the control of a hybrid system based on fuel cells for electric vehicles]", 27º Congreso Argentino de Control Automático, AADECA 2020, Buenos Aires, Argentina. October 28 to 30, 2020
Anderson, Jorge L.; Moré, Jerónimo J.; Puleston, Paul F.; Evangelista, Carolina A. "Controlador por MDSO Algoritmo Super-Twisting con Adaptacion de Ganancias: Aplicación a Módulo de Pila de Combustible [MDSO Controller Super-Twisting Algorithm with Gain Adaptation: Application to Fuel Cell Module]". XVIII Reunión de Trabajo en Procesamiento de la Información y Control RPIC 2019, Bahía Blanca, Pcia. de Buenos Aires, Argentina. September 18 to 20, 2019
L. Anderson, J. J. Moré, P. F. Puleston, "Criterios de diseño de filtro para Módulo de Pila de Combustible: un enfoque por Lyapunov [Filter design criteria for Fuel Cell Module: a Lyapunov approach]", 26º Congreso Argentino de Control Automático, AADECA 2018, Buenos Aires, Argentina. November 7 to 9, 2018
J. L. Anderson, J. J. Moré, P. F. Puleston, "Diseño y validación experimental de un Controlador Super-Twisting aplicado a un Módulo de Pila de Combustible [Design and experimental validation of a Super-Twisting Controller applied to a Fuel Cell Module]", Congreso Bienal IEEE en Argentina, Argencon 2018.San Miguel del Tucuman, Tucuman, Argentina. June 6 to 8, 2018
J. L. Anderson, J. J. Moré, P. F. Puleston, "Control por modos deslizantes Super-Twisting aplicado a Módulo de Pilas de Combustible basado en convertidor PS-FB [Super-Twisting sliding modes Control applied to Fuel Cell Module based on PS-FB converter]", XVII Reunión de Trabajo en Procesamiento de la Información y Control RPIC 2017, Mar del Plata, Pcia. de Buenos Aires, Argentina. September 20 to 22, 2017

Altre attività scientifiche

RESEARCH PROJECT | CONICET. ID: PIP 11220200102801CO. Title: "Advanced Control and Power Electronics Applied to the Optimization of Systems Based on Non-Conventional Energies". 2021 - 2023. Director: P. F. Puleston. Co-Director: J. J. Moré
RESEARCH PROJECT | UNLP. ID: 11/I255. Title: "Power Electronics and Advanced Control Systems Applied to Non-Conventional Energy Sources". 03/2020 - 02/2024. Director: Sergio Alberto González. Co-Director: Jerónimo J. Moré
RESEARCH PROJECT | ANPCYT. ID: PICT No. 2018-03747. Title: "Control, Electronics
and Instrumentation: Applications in Alternative Energies and Biomedical Engineering". 2019 – 2022. Director: Paul F. Puleston. Participation as: Researcher

EXECUTING UNIT RESEARCH PROJECT | CONICET. ID: PUE 229 201801 00053 CO. Title: "Integrating Electronics, Control and Signal Processing in High-Impact Applications". 01/2019 - 12/2023. Director: Miguel A. Mayosky. Participation as: Researcher

DOCTORAL THESIS SUPERVISION. Student: Anderson, Jorge Luis. Topic: "Advanced Control for Hybrid Systems Based on Fuel Cells and other Alternative Energy Sources". University: Faculty of Engineering, UNLP. Start: 04/2016. Status: In progress.

UNDERGRADUATE THESIS AND GRANTS SUPERVISION:

- **Student: Torres Alberto, José Francisco. Topic: Desarrollo De Sistemas De Control Para Vehículos Eléctricos Basados En Baterías De Litio [Development of Control Systems for Battery-Based Electric Vehicles]. LEICI Institute. University: Faculty of Engineering, UNLP. Director: Moré J. J., Puleston P. F.**
- **Student: Graselli, Valentín Mateo. Topic: Diseño de sistemas de energía híbridos basados en módulos de Almacenamiento No Convencionales y Pilas de Combustible/Hidrógeno [Design of Hybrid Power Systems based on Unconventional Energy Storage Modules and Fuel Cells/Hydrogen]. LEICI Institute. University: Faculty of Engineering, UNLP. Director: Moré J. J., Puleston P. F.**

Ulteriori informazioni pertinenti

Research Stays:

- **Institut De Robòtica I Informàtica Industrial | Barcelona | España. (19/01/2018 - 22/02/2018). Activity: Implementation of high-order sliding mode controllers for discontinuous mode control of hybrid energy generation systems based on PEM fuel cells, using FPGA, LabView, and real-time computing systems.**
- **Institut De Robòtica I Informàtica Industrial | Barcelona | España. (08/03/2016 - 08/04/2016). Activity: Development and implementation of a high-order sliding mode controller for temperature control of a PEM fuel cell, using LabView and real-time computing systems.**
- **Institut De Robòtica I Informàtica Industrial | Barcelona | España. (15/10/2012 - 12/11/2012). Activity: Implementation and testing of sliding mode controllers for a hybrid energy generation system based on fuel cells and supercapacitors.**
- **Institut De Robòtica I Informàtica Industrial | Barcelona | España. (26/01/2012 - 17/03/2012). Activity: Implementation of supervision strategies and power converter controllers for a hybrid test station based on sliding mode control, using DSP and LabView on real-time computers.**
- **Institut De Robòtica I Informàtica Industrial | Barcelona | España. (20/02/2011 - 20/03/2011). Activity: Implementation of power converter controllers for a hybrid test station, using DSP and LabView.**
- **Institut De Robòtica I Informàtica Industrial | Barcelona | España. (29/10/2010 - 30/11/2010). Activity: Operation of a hybrid test station based on PEM fuel cells, supercapacitors, and power converters.**

Luogo, data e firma

La Plata, 11/07/2023