



❖ DATOS PERSONALES

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❖ FORMACIÓN ACADÉMICA

- Doctor en Ciencias, Programa Mecatrónica, CINVESTAV-IPN. México, D.F., 2011.
- Maestro en Ciencias, Programa Mecatrónica, CINVESTAV-IPN. México, D.F., 2007.
- Ingeniero Electromecánico, Instituto Tecnológico de Tuxtepec. Tuxtepec, Oax., 2004.

❖ POSICIÓN ACTUAL

- Profesor Investigador Titular “A” de Tiempo Completo en la Universidad del Papaloapan Campus Loma Bonita, Oax. Desde Octubre 2011 a la fecha.
- Adscrito al Instituto de Agroingeniería.
- Participa activamente en el Cuerpo Académico (CA) “Mecatrónica Aplicada”.

❖ EXPERIENCIA LABORAL

Agosto-Octubre 2011

Instituto Tecnológico Superior de Poza Rica. Poza Rica, Ver.

Profesor de Tiempo Completo en el Departamento de Mecatrónica.

❖ LÍNEAS DE INVESTIGACIÓN

- Absorción de Vibraciones Mecánicas.
- Diseño, Dinámica y Control de Máquinas y Mecanismos.

❖ DISTINCIONES ACADÉMICAS

- Beca de Permanencia Institucional PROMEP 2012. Universidad del Papaloapan.
- Beca CONACyT para estudios de Posgrados. Maestría 2004-2006 y Doctorado 2007-2011.
- Obtención del Título de Ingeniero Electromecánico, por Promedio Escolar 94/100. Instituto Tecnológico de Tuxtepec. Marzo 2004.



❖ PUBLICACIONES

- **A. Cabrera-Amado**, G. Silva-Navarro. *Semiactive vibration absorption in a rotor-bearing system using a PPF control scheme*. International Conference on Noise and Vibration Engineering (ISMA2012) and 4th edition of the International Conference on Uncertainty in Structural Dynamics-USD2012, Katholieke Universiteit Leuven, Leuven, Belgium, September 17-19, **2012**.
- **A. Cabrera-Amado**, G. Silva-Navarro. *Experimental Results of the Unbalance Response Compensation in a Rotor-Bearing System Supported on MR Dampers Using a PPF Control*. CD-ROM Proceedings of the 18th International Congress on Sound and Vibration (ICSV18), The International Institute of Acoustics and Vibration (IIAV), pp. 1-8, July 10-14, **2011**. Rio de Janeiro, Brasil. ISBN: 978-85-63243-01-0.
- **A. Cabrera-Amado**, G. Silva-Navarro, *Semiactive Control for the Unbalance Compensation in a Rotor-Bearing System*, In: *New Trends in Electrical Engineering, Automatic Control, Computing and Communication Sciences*, Edited by C.A.Coello-Coello, AlexPozniak, José Antonio Moreno-Cadenas and Vadim Azhmyakov, pp. 143-158, Logos Verlag Berlin GmbH, Germany, **2010**. ISBN: 978-3-8325-2429-6. www.logos-verlag.de/cgi-bin/buch/isbn/2429.
- G. Silva-Navarro, F. López-Medina, **A. Cabrera-Amado**. *Unbalance compensation in a rotor-bearing system by dynamic stiffness control and acceleration scheduling*. International Conference on Noise and Vibration Engineering (ISMA2010) and Uncertainty in Structural Dynamics (USD2010), pp. 1621-1633, Katholieke Universiteit Leuven, Leuven, Belgium, September 15-17, **2010**. ISBN: 9789073802872.
- **A. Cabrera-Amado**, M. Arias-Montiel, G. Silva-Navarro. *Vibration Absorption in a Rotor Bearing System Using a Cantilever Beam Absorber*. 7th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE 2010), pp. 488-493, Tuxtla Gutiérrez, Chiapas, México, September 8-10, **2010**. ISBN: 978-1-4244-7314-4.
- **A. Cabrera-Amado**, G. Silva-Navarro. *Positive position and acceleration feedback control for the unbalance response in a rotor-bearing system*. 6th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE 2009), pp. 509-514, November 10-13, **2009**. Toluca, Estado de México, México. ISBN: 978-1-4244-4689-6.
- **A. Cabrera-Amado**, G. Silva-Navarro. *Control of the unbalance response in a rotor-bearing system with a suspension based on MR dampers*. 15th International Congress on Sound and Vibration (ICSV15), pp. 3001-3008, July 6-10, **2008**. Daejeon, Korea (South). The Korean Society for Noise and Vibration Engineering (KSNVE) and The International Institute of Acoustics and Vibration (IIAV), ISBN: 978-89-961284-1-0-98060.
- G. Silva-Navarro and **A.Cabrera-Amado**. *A Semiactive Control Scheme Using MR Dampers for the Unbalance Response in a Rotor-Bearing System*. International Conference on Noise and Vibration Engineering (ISMA2008), pp.353-366. Katholieke Universiteit Leuven, Leuven, Belgium, September 15-17, **2008**. ISBN: 9789073802865.
- **A. Cabrera-Amado**, G. Silva-Navarro. *Application of a positive position feedback control scheme for the unbalance response in a rotor-bearing system with two MR*



dampers. XI Congreso y Exposición Latinoamericana de Turbomaquinaria, pp. 1-12.
2008. Veracruz, Ver., México. ISBN: 978-607-95044-03.

- G. Silva-Navarro, **A. Cabrera-Amado**. *Semiactive Sliding-Mode Control of the Unbalance Response in a Rotor-Bearing System Supported on MR Dampers*. Congress IEEE Conference on Decision and Control (CDC 2007), pp. 4513-4518, ISBN: 978-1-4244-1497-0, New Orleans USA. December 12-14, **2007**.
- G. Silva-Navarro, **A. Cabrera-Amado**. *Semiactive Balancing Control of a Jeffcott-like rotor System Supported on MR Dampers*. Proceedings of the Thirteenth International Congress on Sound and Vibration (ICSV 13), Active Noise and Vibration Control, pp. 1-8, ISBN 9781424411658. ISSN: 0191-2216, Vienna, Austria, July **2006**.