



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



RONALD STUART LEDER

Datos Generales

Nombre: RONALD STUART LEDER

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 9 años

Nombramientos

Último: PROFESOR ASIGNATURA A TP No Definitivo
Facultad de Ingeniería
Desde 01-06-2009 hasta 31-08-2013

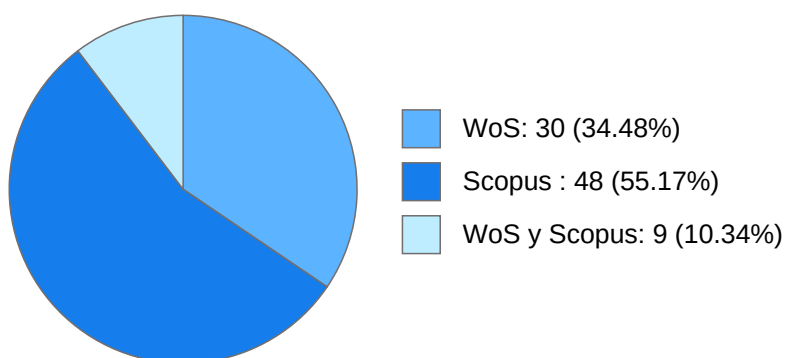
Estímulos, programas, premios y reconocimientos

SNI I 2008

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Minimally-Invasive and Efficient Method to Accurately Fit the Bergman Minimal Model to Diabetes Type 2	ANA GABRIELA GALLARDO HERNANDEZ MARCOS ANGEL GONZALEZ OLVERA MARIA CRISTINA REVILLA MONSALVE et al.	CELL MOL BIOENG	2022
2	Accurate diagnosis of sepsis using a neural network: Pilot study using routine clinical variables	LOURDES ANDREA ARRIAGA PIZANO MARCOS ANGEL GONZALEZ OLVERA MARIA CRISTINA REVILLA MONSALVE et al.	COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE	2021
3	Rapid automatic identification of parameters of the Bergman Minimal Model in Sprague-Dawley rats with experimental diabetes for adaptive insulin delivery	ANA GABRIELA GALLARDO HERNANDEZ MARCOS ANGEL GONZALEZ OLVERA MARIA CRISTINA REVILLA MONSALVE et al.	COMPUTERS IN BIOLOGY AND MEDICINE	2019
4	Significant and safe reduction of propofol sedation dose for geriatric population undergoing pacemaker implantation: randomized clinical trial	ANA GABRIELA GALLARDO HERNANDEZ MARIA CRISTINA REVILLA MONSALVE RONALD STUART LEDER et al.	AGING CLINICAL AND EXPERIMENTAL RESEARCH	2018
5	Nikola Tesla: Why was he so much resisted and forgotten?	RONALD STUART LEDER Valentinuzzi M.E. Ortiz M.H. et al.	IEEE PULSE	2016

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6	Response to ?Letter to the editor: Robot training for hand motor recovery in subacute stroke patients: A randomized controlled trial?	RONALD STUART LEDER Orihuela-Espina, F. Roldán, G.F. et al.	JOURNAL OF HAND THERAPY	2016
7	Robot training for hand motor recovery in subacute stroke patients: A randomized controlled trial	RONALD STUART LEDER Orihuela-Espina, Felipe Femat Roldan, Giovana et al.	JOURNAL OF HAND THERAPY	2016
8	Gesture therapy: An upper limb virtual reality-based motor rehabilitation platform	RONALD STUART LEDER Enrique Sucar, Luis Orihuela-Espina, Felipe et al.	IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING	2014
9	High-order sliding-mode control for blood glucose: Practical relative degree approach	LEONID FRIDMAN RONALD STUART LEDER Gallardo Hernandez, Ana Gabriela et al.	CONTROL ENGINEERING PRACTICE	2013
10	Neural Reorganization Accompanying Upper Limb Motor Rehabilitation from Stroke with Virtual Reality-Based Gesture Therapy	ERICK HUMBERTO PASAYE ALCARAZ RONALD STUART LEDER Orihuela-Espina, Felipe et al.	TOPICS IN STROKE REHABILITATION	2013
11	Retrospectroscope: Cardiac output: Since when, who, and how?	RONALD STUART LEDER Valentinuzzi, Max E.	IEEE PULSE	2013
12	STARS: Pacemakers	RONALD STUART LEDER Geselowitz M.N.	P IEEE	2013
13	Control por modos deslizantes para la presión positiva binivel en las vías respiratorias: Ventajas sobre el control PID	RONALD STUART LEDER LEONID FRIDMAN Amado R.G.L.	Pan American Health Care Exchanges	2013
14	Recognition of arm activities based on Hidden Markov Models for natural interaction with service robots	JOSE ISRAEL FIGUEROA ANGULO JESUS SAVAGE CARMONA ERNESTO BRIBIESCA CORREA et al.	2013 16th International Conference On Advanced Robotics, Icar 2013	2013
15	Robust control for propofol induced anesthesia based on second-order sliding-mode control	ANA GABRIELA GALLARDO HERNANDEZ LEONID FRIDMAN RONALD STUART LEDER et al.	IEEE Conference on Decision and Control	2013
16	High-order sliding-mode control for anesthesia	ANA GABRIELA GALLARDO HERNANDEZ RONALD STUART LEDER LEONID FRIDMAN et al.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2013

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17	Experimental glucose regulation with a High-Order Sliding-Mode Controller	ANA GABRIELA GALLARDO HERNANDEZ LEONID FRIDMAN RONALD STUART LEDER et al.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2012
18	The Modern Hospital in Historical Context	RONALD STUART LEDER Valentinuzzi, Max E.	IEEE PULSE	2012
19	Advances in Medical Devices and Medical Electronics	RONALD STUART LEDER Neuman, Michael R. Baura, Gail D. et al.	P IEEE	2012
20	Experimental glucose regulation with a high-order sliding-mode controller.	ANA GABRIELA GALLARDO HERNANDEZ LEONID FRIDMAN RONALD STUART LEDER et al.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2012
21	High-order sliding-mode control for blood glucose regulation in the presence of uncertain dynamics	ANA GABRIELA GALLARDO HERNANDEZ LEONID FRIDMAN RONALD STUART LEDER et al.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2011
22	High-Order Sliding-Mode control of blood glucose concentration via practical relative degree identification	ANA GABRIELA GALLARDO HERNANDEZ LEONID FRIDMAN RONALD STUART LEDER et al.	IEEE Conference on Decision and Control	2011
23	Gesture therapy: A vision-based system for upper extremity stroke rehabilitation	RONALD STUART LEDER Sucar L.E. Luis R. et al.	2010 Annual International Conference Of The Ieee Engineering In Medicine And Biology Society, Embc'10	2010
24	EMB history to increase health technology literacy in the general public for improved health worldwide	RONALD STUART LEDER	Proceedings Of The 31st Annual International Conference Of The Ieee Engineering In Medicine And Biology Society:	2009

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25	Rehabilitation strategies of the stroke patients [Actividades simuladas de la vida diaria para rehabilitación motora del miembro superior en pacientes con enfermedad vascular cerebral]	RONALD STUART LEDER Sánchez-Villavicencio I. Hernández-Franco J. et al.	Archivos Del Instituto Nacional De Neurología Y Neurocirugía	2009
26	Gesture therapy: A clinical evaluation	RONALD STUART LEDER Sucar L.E. Molina A. et al.	2009 3rd International Conference On Pervasive Computing Technologies For Healthcare - Pervasive Health 2009, Pct	2009
27	The modern hospital in historical context.	RONALD STUART LEDER Valentinuzzi M.E.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2009
28	The natural history of the Engineering in Medicine and Biology Society from a modern perspective.	RONALD STUART LEDER Requena-Carrion J.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2009
29	The modern hospital in historical context	RONALD STUART LEDER Valentinuzzi M.E.	Proceedings Of The 31st Annual International Conference Of The IEEE Engineering In Medicine And Biology Society:	2009
30	The natural history of the engineering in medicine and biology society from a modern perspective	RONALD STUART LEDER Requena-Carrión J.	Proceedings Of The 31st Annual International Conference Of The IEEE Engineering In Medicine And Biology Society:	2009

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31	Gesture therapy: A low-cost vision-based system for rehabilitation after stroke	RONALD STUART LEDER Enrique Sucar L. D. Reinkensmeyer D. et al.	Healthinf 2008 - 1st International Conference On Health Informatics, Proceedings	2008
32	Nintendo Wii remote for computer simulated arm and wrist therapy in stroke survivors with upper extremity hemiparesis	RONALD STUART LEDER RODRIGO SAVAGE CHAVEZ EMILIO LOREN ROTH MONZON et al.	2008 Virtual Rehabilitation, Iwvr	2008
33	Gesture therapy: A vision-based system for arm rehabilitation after stroke	RONALD STUART LEDER Sucar L.E. Azcárate G. et al.	Communications in Computer and Information Science	2008
34	X-ray and EPR study of reactions between B4C and TiO2	RONALD STUART LEDER Kakazey M. Vlasova M. et al.	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	2006
35	Game motivated and constraint induced therapy in late stroke with fMRI studies pre and post therapy	FERNANDO ALEJANDRO BARRIOS ALVAREZ RONALD STUART LEDER Azpiroz J. et al.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2005
36	Quantitative and qualitative evaluation of filter characteristics for wavelet packet compression of mr images	RONALD STUART LEDER Azpiroz-Leehan J. Lerallut J.-F.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2004
37	The importance of biomedical engineering history.	RONALD STUART LEDER	IEEE ENG MED BIOL	2004
38	EPR-characterization of carbon inclusions in boron carbide	RONALD STUART LEDER Kakazey M. Vlasova M. et al.	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	2004

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39	Lipreading Aid via the Tongue	RONALD STUART LEDER Plant G.M. Bach-y-Rita P.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2003
40	Performance of Impedance and Inductance Ventilation Sensors on Premature Infants During Natural Breathing, Motion, and Airway Obstruction	RONALD STUART LEDER Cohen K.P. Peterson N. et al.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2003
41	Annual International of the IEEE Engineering in Medicine and Biology - Proceeding: Editor's Notes	RONALD STUART LEDER	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2003
42	Motivating, game-based stroke rehabilitation: A brief report	RONALD STUART LEDER Wood S.R. Murillo N. et al.	TOPICS IN STROKE REHABILITATION	2003
43	Thermal processes during mechanical treatment of ZnO and ZnO-TiO ₂ powders and their role in the formation of defect structure	RONALD STUART LEDER Kakazey M. Gonzalez-Rodriguez J.G. et al.	INT J FRACTURE	2002
44	Computer-assisted motivating rehabilitation (CAMR) for institutional, home, and educational late stroke programs	RONALD STUART LEDER Bach-y-Rita P. Wood S. et al.	TOPICS IN STROKE REHABILITATION	2002
45	Computer game motivating rehabilitation with objective measures of improvement in motor function	RONALD STUART LEDER Murillo N. Ibarra C.P. et al.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2001
46	Self-exciting chaos as a dynamic model for irregular neural spiking	RONALD STUART LEDER Baier G. Escalera Santos G.J. et al.	PHYS REV E	2000
47	Human electroencephalogram induces transient coherence in a spatially extended chaotic model	RONALD STUART LEDER Baier G. Parmanada P.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2000



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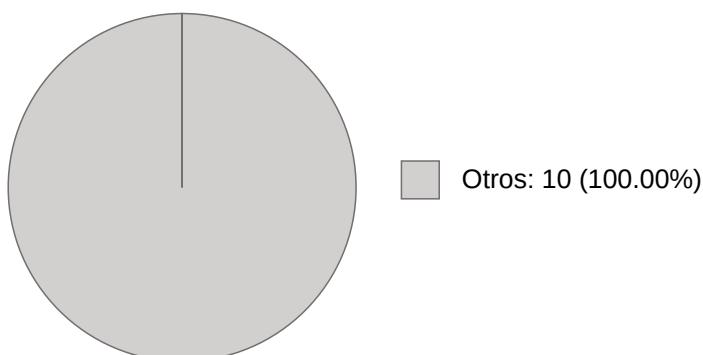
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48	Human Electroencephalogram Induces Transient Coherence in Excitable Spatiotemporal Chaos	RONALD STUART LEDER Baier G. Parmananda P.	PHYSICAL REVIEW LETTERS	2000
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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Recognition of Arm Activities Based on Hidden Markov Models for Natural Interaction with Service Robots	JOSE ISRAEL FIGUEROA ANGULO JESUS SAVAGE CARMONA ERNESTO BRIBIESCA CORREA et al.	Proceedings Paper	2013	9781479927227
2	FMRI-based inverse analysis of stroke patients' motor functions	RONALD STUART LEDER Gutiérrez-Celaya J.A. Carrillo R. et al.	Conference Paper	2011	9781612849164
3	Nintendo Wii remote and Nunchuck as a wireless data subsystem for digital acquisition of analog physiologic data relevant to motor rehabilitation after stroke; part II	JOSE MAURICIO MATAMOROS DE MARIA Y CAMPOS MARCO ANTONIO NEGRETE VILLANUEVA RONALD STUART LEDER et al.	Conference Paper	2010	9781424462926
4	The educational value of teaching biomedical engineering history	RONALD STUART LEDER Requena-Carrión J. Beebe M. et al.	Conference Paper	2010	9781424441235
5	The natural history of the sleep and respiratory engineering track at EMBC 1988 to 2010	RONALD STUART LEDER Schlotthauer G. Penzel T. et al.	Conference Paper	2010	9781424441235
6	Nintendo Wii remote como un subsistema inalámbrico para adquisición digital de datos de señales fisiológicas relevantes en la terapia física	MARCO ANTONIO NEGRETE VILLANUEVA JIMENA OLVERES MONTIEL RONALD STUART LEDER et al.	Conference Paper	2009	9781424436699

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7	Nintendo Wii remote and Nunchuck as a wireless data subsystem for digital acquisition of analog physiologic data relevant to motor rehabilitation after stroke; poster	MARCO ANTONIO NEGRETE VILLANUEVA RONALD STUART LEDER Matamoros M.	Conferenc e Paper	2009	9781424441891
8	Clinical evaluation of a low-cost alternative for stroke rehabilitation	RONALD STUART LEDER Sucar L.E. Hernández J. et al.	Conferenc e Paper	2009	9781424437894
9	EMB history to increase health technology literacy in the general public for improved health world wide	RONALD STUART LEDER	Conferenc e Paper	2009	9781424451197
10	Qualification of arm gestures using hidden markov models	RONALD STUART LEDER Quintana G.E. Sucar L.E. et al.	Conferenc e Paper	2008	9781424421541



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PARTICIPACIÓN EN PROYECTOS

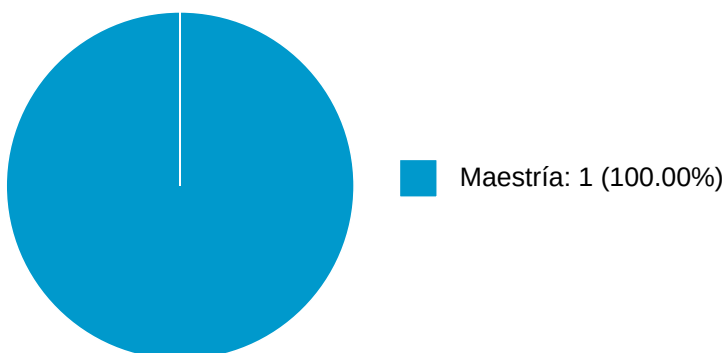
No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

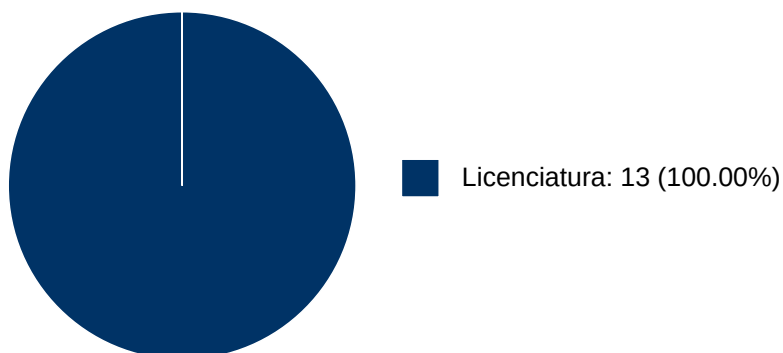


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Uso de herramientas financieras para la optimización y evaluación de un plan para la importación de un servicio de información médica en México basado en telefonía celular	Tesis de Maestría	RONALD STUART LEDER,	Mispalma León, Fernando,	Facultad de Ingeniería,	2009

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	SIST.Y EQUIP.BIOMEDICS.ELECTRONICS	Facultad de Ingeniería	1	2013-1
2	Licenciatura	SIST.Y EQUIP.BIOMEDICS.ELECTRONICS	Facultad de Ingeniería	2	2012-2
3	Licenciatura	SIST.Y EQUIP.BIOMEDICS.ELECTRONICS	Facultad de Ingeniería	3	2012-1
4	Licenciatura	SEMINARIO DE TITULACION	Facultad de Ingeniería	2	2011-2
5	Licenciatura	SIST.Y EQUIP.BIOMEDICS.ELECTRONICS	Facultad de Ingeniería	10	2011-1
6	Licenciatura	SIST.Y EQUIP.BIOMEDICS.ELECTRONICS	Facultad de Ingeniería	18	2010-2
7	Licenciatura	SIST.Y EQUIP.BIOMEDICS.ELECTRONICS	Facultad de Ingeniería	13	2010-1
8	Licenciatura	SIST.Y EQUIP.BIOMEDICS.ELECTRONICS	Facultad de Ingeniería	13	2009-2
9	Licenciatura	SIST.Y EQUIP.BIOMEDICS.ELECTRONICS	Facultad de Ingeniería	9	2009-1
10	Licenciatura	SISTEM. EQUIPOS BIOMEDICOS ELECTRON	Facultad de Ingeniería	1	2009-1
11	Licenciatura	SIST.Y EQUIP.BIOMEDICS.ELECTRONICS	Facultad de Ingeniería	7	2008-2
12	Licenciatura	SISTEM. EQUIPOS BIOMEDICOS ELECTRON	Facultad de Ingeniería	3	2008-1
13	Licenciatura	SIST.Y EQUIP.BIOMEDICS.ELECTRONICS	Facultad de Ingeniería	5	2008-1



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PATENTES

No se encuentran registros en la base de datos de patentes asociados a:

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FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2025
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024