

# Guillermo Alberto Govea Anaya

## Educación

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- 2011 - 2014** Maestría en Ciencia e Ingeniería en Materiales  
Universidad Nacional Autónoma de México
- 2004 – 2010** Licenciatura en Física  
Universidad Nacional Autónoma de México

## Experiencia profesional

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### Universidad Nacional Autónoma de México

Ayudante de profesor

De agosto de 2008 hasta agosto de 2011

- ❖ Colaboración e impartición de clases en los cursos de Introducción a la Biofísica y Física Médica y de Métodos Físicos para el estudio de Sistemas Bioológicos en la carrera de Física de la Facultad de Ciencias.
- ❖ Desarrollo de material escrito en el proyecto "Microscopia: física y aportaciones en la biología" en el Laboratorio de Biofísica y Física Médica.

Profesor de asignatura

De agosto de 2013 hasta diciembre de 2014

- ❖ Curso de Física para alumnos de la carrera de Biología.

### Escuela Tomás Alva Edison, Preparatoria

Profesor de asignatura

De agosto de 2012 a la fecha

- ❖ Cursos de Física IV y Probabilidad y Estadística.
- ❖ Cursos de nivelación académica de Matemáticas IV y Matemáticas VI.
- ❖ Talleres extracurriculares de las materias de física y matemáticas.
- ❖ Dirección de proyectos de investigación para ser presentados en concursos y congresos locales, nacionales e internacionales.

## Formación Continua

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- 2009** Diplomado del Programa 2009-2010 de actualización docente en Física impartido por la Facultad de Ciencias, UNAM.
- 2011** Curso "Introducción PCR Tiempo Real y sus Aplicaciones: Cualitativas y Cuantitativas en el equipo 7500" impartido por Applied Biosystems
- 2012** Curso "Microenseñanza" impartido por el Instituto Tecnológico de Estudios Superiores de Monterrey
- 2013** Curso "Óptica de Electrones y su Aplicación en Microscopia Electrónica de Transmisión" impartido por el Instituto de Investigaciones en Materiales,

UNAM.

- 2013** Curso "Biomateriales e Ingeniería de Tejidos" impartido por el Instituto de Investigaciones en Materiales, UNAM.
- 2014** Curso "Basic and Advanced Techniques in Modern X-Ray Diffraction" impartido por el Instituto de Investigaciones en Materiales, UNAM.
- 2014** Curso "Materiales Funcionales" impartido por el Instituto de Investigaciones en Materiales, UNAM.
- 2014** Curso "La aplicación del ABP (aprendizaje basado en problemas) como estrategia didáctica" impartido por la Dirección General de Incorporación y Revalidación de Estudios UNAM

### Publicaciones

- ❖ Montoya, F., Canobbio, J., Govea, G. "Matemáticas IV" Editorial Pearson, México, D.F. Primera Edición, diciembre de 2014, ISBN: 9786073231497

### Trabajos presentados.

- ❖ Govea, G. Zarzosa, A., Carrillo, S., Sánchez G., "Medición de distancias interplanares mediante difracción de ondas sonoras durante el LVII Congreso Nacional de Física, Mazatlán, México, 2014.

### Ponencias

- ❖ Govea G., ponencia "Usando videos y mediciones en la pantalla para enseñar diferentes tipos de movimientos con datos reales" durante el XIII Taller Internacional "Nuevas Tendencias en la Enseñanza de la Física" de la BUAP, Puebla, Puebla, 2015.

### Premios y distinciones.

- 2013** Participación como asesor y obtención de segundo lugar en el concurso ExpoCiencias Metropolitana.
- 2013** Participación como asesor y obtención de segundo lugar en el XXI Concurso Universitario Feria de las Ciencias, la Tecnología y la Innovación, UNAM.
- 2013** Participación como asesor y obtención del primer lugar en el concurso ExpoCiencias Nacional.
- 2014** Participación como asesor y obtención del tercer lugar en el concurso internacional *Genius Olympiad* de la Universidad Estatal de Oswego.
- 2015** Participación como asesor y obtención de segundo lugar en el Tercer Congreso Estudiantil de Investigación del Sistema Incorporado, UNAM.
- 2015** Participación como asesor y obtención de primer lugar en ExpoCiencias Metropolitana.
- 2015** Participación como asesor y obtención de segundo lugar en el XXIII Concurso Universitario Feria de las Ciencias, la Tecnología y la Innovación, UNAM



## *CV Ton de Jong*

Ton de Jong is professor of Instructional Technology at the University of Twente. He specializes in inquiry learning (mainly in science domains) supported by technology (online labs, games, modelling environments).

He was coordinator of several EU projects (e.g., SimQuest, Co-Lab, KITS, SCY) and several national projects including the ZAP project in which interactive simulations for psychology were developed. ZAPs are sold worldwide. For ZAP and SimQuest he has won a number of international prizes. For one of the SCY applications the *Inquiry Based Instruction* prize issued by *Science* was won in 2013.

Currently he is coordinator of the 7<sup>th</sup> framework EU Go-Lab project.

He published close to 200 journal articles and book chapters. He has published papers in *Science* on inquiry learning with computer simulations (2006) and online laboratories (2013).

Ton de Jong is Associate Editor for the Journal of Engineering Education, and is on the editorial boards of eight other journals.

He is AERA fellow and was elected member of the [Academia Europaea](http://www.academia-europaea.org/) in 2014. For more info see: <http://users.edte.utwente.nl/jong/Index.htm>.

**Daniel Lawrence Maclsaac**

Department of Physics, State University of New York College at Buffalo (Buffalo State)  
462 Science Bldg, 1300 Elmwood Ave, Buffalo NY 14222  
(716) 878-3802; [macisadl@buffalostate.edu](mailto:macisadl@buffalostate.edu); <http://physicsed.buffalostate.edu/danowner/>

**(a) Professional Preparation:**

Purdue University	Physics Education: Curriculum and Instruction	Ph.D., 1994
Purdue University	Physics	M.S., 1994
University of British Columbia	Science Education	M.A., 1991
Mount Allison University	Secondary Mathematics and Science Teaching	B.Ed., 1986
Mount Allison University	Physics	B.Sc., 1984

**(b) Professional Academic Experience:**

Aug 05 – present **Associate Professor of Physics**, *Department of Physics, SUNY--Buffalo State College, Buffalo, NY*. Acting Physics Department Chair for Summer & Fall semesters of 2008. Tenured faculty teaching graduate physics education courses, also undergraduate physics courses. My research is in physics teacher preparation and learning physics.

Jan 11 – present **Adjunct Associate Professor of Physics**, *Department of Physics, SUNY University at Buffalo, Buffalo, NY*. Unsalaries courtesy appointment to nearest Carnegie R1 institution to recognize and support collaboration in scholarship, service and education initiatives with SUNY Buffalo faculty from the Departments of Physics, Engineering, Chemistry, and Learning and Instruction.

Aug 2002- Sep 2005: **Assistant Professor of Physics**, *Department of Physics, SUNY- Buffalo State College*.

Aug 1996- Aug 02: **Assistant Professor of Physics and Astronomy**, *Department of Physics & Astronomy, Northern Arizona University, Flagstaff AZ 86011-6010*. Coordinated undergrad and Masters' physical science teachers preparation programs.

Jan 95 - Aug 96 **Visiting Assistant Professor of Physics**, *Department of Physics, Purdue University*.

Sept 86 - June 88 **Full-time Science and Computer Teacher**, *Ebb and Flow School, Ebb & Flow Indian Reserve #52, Frontier School Division #48, Manitoba, Canada*.

**(c) Products**

**(i) 5 Closely Related**

Lange, C., & Maclsaac, D., & Falconer, K. (2015). *Using a photo essay as a qualitative tool to analyze an informal summer science experience: a Noyce partnership Geneseo & Buffalo State*. A poster presented at the Buffalo State Faculty/Staff Research and Creativity Fall Forum, Oct. 29.

Gardella, J.A., King, K.L., Maclsaac, D.L., Lange, C. & McIntyre, B.J. (2012). *Integrated Science and Engineering Partnership (ISEP) Targeted MSP: Transition from Middle to High School*. NSF MSP Learning Network Conference Program, Renaissance Hotel, Washington DC 23-24 January 2012.

Maclsaac, D.L., Gomez, L.S., Hämäläinen, A. & Kaponen, I. (2011). *Comparing masters degree physics teacher preparation in Buffalo, NY and Helsinki, Finland*. National Meeting of the American Association of Physics Teachers in Jacksonville, FL, 13-17 February 2011.

Maclsaac, D.L., Henry, D., Zawicki, J.L. Beery, D. & Falconer, K. (2004). *A new model alternative certification program for high school physics teachers: New pathways to physics teacher certification at SUNY-Buffalo State College*. *Journal of Physics Teacher Education Online*, 2(2), 10-16.

Maclsaac, D.L. & Falconer, K.A. (2002). *Reform your teaching via the Reform Teaching Observation Protocol (RTOP)*. *The Physics Teacher*. 40(8), 479-486.

**(ii) 5 Other Significant Products**

- Lange, C. & Falconer, K., & Maclsaac, D., & Parente, M., & Pigeon, J., & Wallace, K., Zawicki, J. (2014). *Informal science education partnership between Buffalo State, The Buffalo Museum of Science and Cradle Beach*. A poster presented at the Buffalo State Faculty/Staff Research & Creativity Fall Forum, Oct. 30.
- Falconer, K., & Zawicki, J., & Maclsaac, D. (2014). *Impact of informal science education at a residential summer camp*. A poster presented at the Buffalo State Faculty/Staff Research & Creativity Fall Forum, Oct. 30.
- Saeli, S. & Maclsaac, D.L. (2007). Using gravitational analogies to introduce elementary electrical field theory concepts. *The Physics Teacher*, 45(2), 104-108.
- Lui, X. & Maclsaac, D.L. (2005). An investigation of factors affecting the degree of naïve impetus theory application. *Journal of Science Education & Technology*, 14(1), 101-116.
- Bodner, G., Maclsaac, D. & White, S. (1999). Action research: Overcoming the sports mentality approach to assessment / evaluation. *University Chemistry Education*, 3(1), 31-36.

**(d) Synergistic Activities:**

**National Science Foundation and NASA funded investigator on six funded projects** totaling over \$14M since 2002 in the areas of in-service STEM (Science Technology Engineering and Math) professional teacher development for high needs schools, pre-service and in-service physics teacher preparation programs for traditional and career-changing candidates, researching STEM teacher practices and effectiveness, promoting STEM and STEM teaching majors via scholarships and institutional support, assessment and development of curricular resources for STEM teaching, etc. Currently **co-Principal Investigator for \$10M NSF Math Science Partnership project Integrated Science and Engineering Partnership (ISEP)** with University of Buffalo, Buffalo Public Schools, Buffalo State College, Buffalo Museum of Science and PraxAir Corp. Current **co-Principal Investigator for \$0.75M NSF WNY Noyce Scholars Partnership Phase II: An NSF Noyce Phase II Scholarship & Stipend (S&S) Project Proposal for \$750k / 5 years**. Current **Principal Investigator for \$10K iPad Mechanics Physics Instruction**.

Active scholar and researcher in physics learning, STEM (Science Technology Engineering and Math) learning and teaching, teacher and teacher development since 1996.

*Websights* column editor for the AAPT journal ***The Physics Teacher*** since 2002 (over 100 monthly columns). ***The Physics Teacher*** is the world's leading English language professional publication for physics teachers.

*Graduate coordinator* for the Buffalo State Physics Department, advising and teaching master students in two programs who are seeking NYSED Physics teacher certification. I have advised over 175 masters physics and physical science teacher certification candidates since 1996. I convene and administer the Buffalo State Summer Physics Teacher's Academy offering 18+ graduate credits summer at BSC.

Steering Committee for Western NY Physics Teacher's Alliance (WNYPTA) meeting monthly at Buffalo State, also active in state (STANYS, NYSED Master Teachers, NYSS-AAPT) and national (AAPT – American Association of Physics Teachers) organizations via presentations, committee-work etc.

**(e) Collaborators and other affiliations**

*Purdue University:* George Bodner; *SUNY at Buffalo:* Jonathan Bird, Alex Cartwright, Joe Gardella, Xiufeng Liu, Bruce McCombe, Vladimir Mitin; *SUNY Buffalo State College:* David Abbott, Valentin Brimkov, Dara Dorsey, Kathleen Falconer, David Henry, Clarann Josef, David Kukulka, Cathy Lange, Susan McMillan, Jill Singer, John Siskar, David Wilson, Joe Zawicki; *SUNY Jamestown Community College:* Marie Plumb; *University of Cologne (Uni-Koeln, Germany):* Andre Bresgnes; *University of Helsinki:* Ari Hämäläinen

Theses Advisees: I have advised over 175 masters' students most of which have completed masters projects, not theses. In the US only one has completed Ph.D. study, Dr Nick Childs of Montana State and several others are currently enrolled in PhD programs.

**PUESTOS ACADEMICOS**

- 2014-2016 Spencer Fellow. **National Academy of Education** (EEUU)
- 2013- Profesor Principal (Historia de la ciencia, la técnica y la medicina). **Universidad del Rosario** (Colombia)
- 2010-2012 'Marie Curie' Research Fellow. Institut de Recherches Philosophiques. **Université Paris Ouest** (Francia)
- 2010-2011 Kluge Fellow. **John W. Kluge Center** at the Library of Congress (EEUU)
- 2010 **Dibner Library** Resident Scholar. Smithsonian Institution (EEUU)
- 2009-2010 Profesor asociado (Historia de la ciencia). **Universitat de València** (España)
- 2009 Tutor in History of Science. **University of Oxford** (Reino Unido)

**EDUCACION**

- 2009 PhD in History of Science, **University of Leeds** (Reino Unido)
- 2004 MSc in History of Science: Instruments, Museums, Science, Technology. **University of Oxford** (Reino Unido)
- 2002 D.E.A. en Historia de la ciencia y de la medicina. **Universitat de València** (España)
- 2001 Diploma para ejercer como profesor de ciencias experimentales en bachillerato. **Universitat de València** (España)
- 2000 Licenciado en Física. **Universitat de València** (España)

**PUBLICACIONES (selección) ~ se pueden encontrar copias de estas y otras publicaciones en [www.josepsimon.com/publications/](http://www.josepsimon.com/publications/) o contactando al autor**

Simon, J. (2016). "Textbooks". In B. Lightman (ed.). *A Companion to the History of Science*. Oxford: Wiley-Blackwell, pp. 400-413.

Simon, J. (2015). "History of Science". In R. Gunstone (ed.). *Encyclopaedia of Science Education*. Berlin: Springer-Verlag, pp. 456-459.

Simon, J. (2013). "Physics Textbooks and Textbook Physics in the Nineteenth and Twentieth Centuries". In Fox, R. and J. Buchwald. *The Oxford Handbook of the History of Physics*. Oxford: Oxford University Press, pp. 651-678.

Simon, J. & Zarzoso, A. eds. (2013). Visual Representations in Science. *Endeavour* 37 (3): 121-149.

Simon, J. ed. (2012). Cross-National Education and the Making of Science, Technology and Medicine. *History of Science* 50 Part 3, 168: 251-374.

Bertomeu, J.R. & Simon, J. (2012). "Viejos objetos, nuevas perspectivas: La cultura material de la ciencia en las aulas del siglo XIX". En: López-Ocón, L. et al., eds., *Aulas con Memoria: Ciencia, educación y patrimonio en los institutos históricos madrileños*, Madrid, CSIC-CEIMES, pp. 49-79.

Simon, J. & Cuenca, M. (2012). "Science Education and the Material Culture of the Nineteenth-Century Classroom: Physics and Chemistry in Spanish Secondary Schools". *Science & Education* 21 (2): 227-244.

Simon, J. (2011). *Communicating Physics: the Production, Circulation and Appropriation of Ganot's Textbooks in France and England (1851-1887)*. London: Pickering & Chatto.

Simon, J. (2010). "La escritura como invención: La física-texto de Adolphe Ganot y el género ciencia". *Cultura Escrita y Sociedad* 10 (Abril): 81-106.

## NSF Biographical Sketch 10/01/2015

**Kathleen Ann Falconer**

Department of Physics  
Graduate and Undergraduate Faculty  
Buffalo State College  
Buffalo, NY  
falconka@buffalostate.edu

### **a. Professional Preparation**

Mount Allison University, NB, Canada	Physics, Chemistry & Mathematics	B.Sc. (1985)
Mount Allison University, NB, Canada	Math/Science Educ	B.Ed. (1986)
Purdue University, West Lafayette, IN	Physics	M.S. (1996)
Purdue University, West Lafayette, IN	Curric. & Instr.	M.S.Ed. (1996)
Arizona State University, Tempe, AZ	Curric. & Instr.	Graduate student-ABD

### **b. Appointments**

2003 –Adjunct, Department of Physics, SUNY- Buffalo State College, Buffalo, NY.  
2013 –Adjunct, Department of Mathematics, SUNY- Buffalo State College, Buffalo, NY.  
20002 –Lecturer, Department of Elementary Education and Reading, SUNY- Buffalo State College, Buffalo, NY.  
2001 –Part-time Faculty, Department of Biology Minority Student Development (MSD) Grant, Northern Arizona University, Flagstaff, AZ  
2001–Graduate Research Assistant, School of Education-AzTEC Grant, Arizona State University, Tempe, AZ.  
1997 –Graduate Teaching/Research Assistant and Aide, Department of Physics and Astronomy, Arizona State University, Tempe, AZ  
1994 –Part-time Science Teacher, New Community School, a private, progressive school in Lafayette, IN.  
1989 - Substitute Instructor, Accounting, Computer and Management Dept., Vancouver Vocational Institute, Vancouver Community College, Vancouver, BC, Canada  
1987 –Full-time Teacher, Ashern Central School, Manitoba Central School Board, Ashern, MB, Canada

### **c. Publications**

(i) Five most closely related to proposal project

Lange, C., MacIsaac, D., & Falconer, K. (2015). *Using a photo essay as a qualitative tool to analyze an informal summer science experience: a Noyce partnership Geneseo & Buffalo State*. A poster presented at the Buffalo State Faculty/Staff Research and Creativity Fall Forum, Oct. 29.

Lange, C., Falconer, K., Parente, M., Cushman, J., Fetcher, K., Phillips, K., Stone, S., Vigliette, J., Wardwell, R., & Zawicki, J. (2015). *Noyce scholars participate in an informal science experience at cradle beach camp*. A poster presented at the Buffalo State Faculty/Staff Research and Creativity Fall Forum, Oct. 29.

Falconer, K., Zawicki, J., & MacIsaac, D. (2014). *Impact of informal science education at a residential summer camp*. A poster presented at the Buffalo State Faculty/Staff Research & Creativity Fall Forum, Oct. 30.

Lange, C., Falconer, K., MacIsaac, D., Parente, M., Pigeon, J., Wallace, K., & Zawicki, J.(2014). *Informal science education partnership between Buffalo State, The Buffalo Museum of Science and Cradle Beach*. A poster presented at the Buffalo State Faculty/Staff Research & Creativity Fall Forum, Oct. 30.

Falconer, K., Zawicki, J. & MacIsaac, D. (2008). The Pedagogical Beliefs and Values of Physics Alternative Certification Teacher Candidates. Peer-reviewed paper presented at 2008 National Association for Research in Science Teaching (NARST) National Meeting in Baltimore, MD, 3/30-4/2/2008.



(ii) Five other significant publications

- Lange, C., Zawicki, J., Anderson, D., & Falconer, K. (2015). Understanding the visual data of Earth's ellipse and axis tilt. In K. Finson & J. Pederson (Eds.), *Application of visual data in K-16 science classrooms* (pp. 241-262). Charlotte, NC: Information Age Publishing.
- MacIsaac, D.L., Falconer, K.A. & Wu, W. (2013). Improving Your Classroom Teaching via RTOP----- Taking Physics Teaching as an Example. *Educational Measurement and Evaluation*. 2013.2. 4-9. (Original Mandarin: 利用测评工具改进课堂教学 ——以物理学科为例 [美] Dan MacIsaac Kathleen Falconer 吴维宁(译) 理论与技术荫 教育 测量与评价2013年2月).
- Sawada, D., Piburn, M., Judson, E., Turley, J., Falconer, K., Benford, R., & Bloom, I. (2002). Measuring reform practices in science and mathematics classrooms: The reformed teaching observation protocol, *School Science and Mathematics*, 102 (6) 245-253.
- MacIsaac, D.L. & Falconer, K.A. (2002). Reform your teaching via the Reformed Teaching Observation Protocol (RTOP). *The Physics Teacher*, 40(8).  
<<http://PhysicsEd.BuffaloState.edu/pubs/TPT/TPTNov02RTOP/TPTNov02RTOP.pdf>>
- Lawson, A., Benford, R., Bloom, I., Carlson, M., Falconer, K., Hestenes, D., Judson, E., Piburn, M., Sawada, D., Turley, J. & Wyckoff, S. (2002). Evaluating college science and mathematics instruction: A reform effort that improves teaching skills, *Journal of College Science Teaching*, 31 (6) 388-393.

#### **d. Synergistic Activities**

- Member and Chair of the Undergraduate Education Committee for the American Association of Physics Teachers (AAPT). -Appointed 2013-2016
- Member and Past-Chair of the Pre-High School Physics Committee for the American Association of Physics Teachers (AAPT). -Appointed 2010-2013
- Member and Past-Chair of the Committee on Minorities in Physics for the American Association of Physics Teachers (AAPT). -Appointed 2007-2010
- Member and Past-Chair of the Women in Physics Committee of the American Association of Physics Teachers (AAPT). Appointed member 2001-2004; Chair 2002-2004
- Member of the AAPT ad hoc committee of Raising Student Confidence Appointed member 2002-2006

#### **e. Collaborators & Other Affiliations**

(i) Collaborators

*SUNY at Buffalo*: Joe Gardella, Xiufeng Liu

*SUNY Buffalo State College*: David Abbott, Jane Cushman, Dara Dorsey, David Henry, Catherine Lange, Dan MacIsaac, David Wilson, Joe Zawicki

The Ohio State and IMPACT III Grant: Gordon Aubrecht, Jessica Creamer, Jennifer L. Esswein, Bill Schmitt

*University of Cologne (Uni-Koeln)*: Andre Bresgnes

**(ii) Graduate and Postdoctoral Advisors**

*Michael Piburn and Dale Baker (retired Arizona State University)*

**(iii) Thesis Advisor and Postgraduate-Scholar Sponsor**

*none*

**DR. MARIO H. RAMÍREZ DÍAZ**

*Departamento de Posgrado en Física Educativa*

*Centro de Investigación en Ciencia Aplicada y Tecnología Avanzada del IPN*

[mramirezd@ipn.mx](mailto:mramirezd@ipn.mx)

*Formación Académica*

*Licenciado en Física y Matemáticas, ESFM-IPN*

*Maestría en Ciencias con especialidad en Física, ESFM-IPN*

*Doctorado en Física Educativa, CICATA-IPN*

*Experiencia*

*Actualmente profesor titular en el Departamento de Posgrado en Física Educativa, CICATA-IPN*

*Miembro del Sistema Nacional de Investigadores*

*Profesor en diversas universidades nacionales; ITESM, UNAM, UNITEC.*

*Profesor visitante en la Universidad del Bio Bio, Chile.*

*Publicaciones*

*"Vinculo de la teoría con la práctica para la comprensión de la óptica geométrica en el Nivel Superior de las escuelas de ingeniería de la UANL a partir del modelo por competencias". Caderno Brasileiro de Ensino de Física, Vol. 32, No 2, 2015.*

*"Chespirito's Characters Helping to Physics Learning". Journal of Modern Education Review, Vol. 5, No. 6, June 2015.*

*"Physics to Mexican preschool students like mean to reach out standards in science". European Journal of Physics Education, Vol. 6, No. 3, 2015.*

*"El aprendizaje basado en proyectos y el aprendizaje de conceptos de calor y temperatura mediante aplicaciones en cerámica". Innovación Educativa, vol. 14, número 66, septiembre-diciembre, 2014.*

*"Diferencias En Las Creencias De Profesores De Ciencias Sociales Y Física Acerca Del Modelo Por Competencias En México". TLATEMOANI, No 17, diciembre 2014.*

*"Ideas previas de estudiantes mexicanos de preescolar acerca de la electricidad". Lat. Am. J. Sci. Educ. 1, 22012 (2014).*

*"Análisis del razonamiento conceptual en movimiento acelerado de estudiantes universitarios utilizando Tutoriales de Física Introductoria". Lat. Am. J. Phys. Educ. Vol. 8, No. 3, Sept. 2014.*

*"Resultados cuantitativos de la aplicación del Sistema 4MAT en Mecánica en la Universidad del Quindío". Lat. Am. J. Phys. Educ. Vol. 8, No. 4, Dec. 2014.*

*"uso de la sociofísica para realizar predicciones electorales Utilizando algoritmos genéticos", TecsisecatI, Vol. 6, Número 16, 2014*

*"Carácter Innovador de los Proyectos de Investigación en Enseñanza de la Física en el IPN", Revista Panamericana de Pedagogía Saberes y Quehaceres del Pedagogo, No 20, 2013.*

*"Errores conceptuales en la solución del péndulo simple", Estudios de la Cienega, Año 14, núm. 27, Enero-Junio de 2013*

*"Jerarquización de competencias específicas en el programa de física de la Escuela Superior de Física y Matemáticas del IPN-México utilizando las matrices de Morganov-Heredia", Formación Universitaria, Volumen 6, Número 5, 2013.*

*"Perception of Physics Teachers in México about Competences Model", US-China Education Review, July 2013, Vol. 3, No. 7, 2013.*

*"Misconceptions of Mexican Teachers in the solution of simple pendulum" European J of Physics Education Vol.4 Issue 3 2013 (17-27).*