



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



**RENE EFRAIN CHAVEZ SEGURA**

## Datos Generales

**Nombre:** RENE EFRAIN CHAVEZ SEGURA

**Máximo nivel de estudios:** DOCTORADO

**Antigüedad académica en la UNAM:** 45 años

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## Nombramientos

**Vigente:** INVESTIGADOR TITULAR C TC Definitivo  
Instituto de Geofísica  
Desde 01-01-2008 (fecha inicial de registros en el SIIA)

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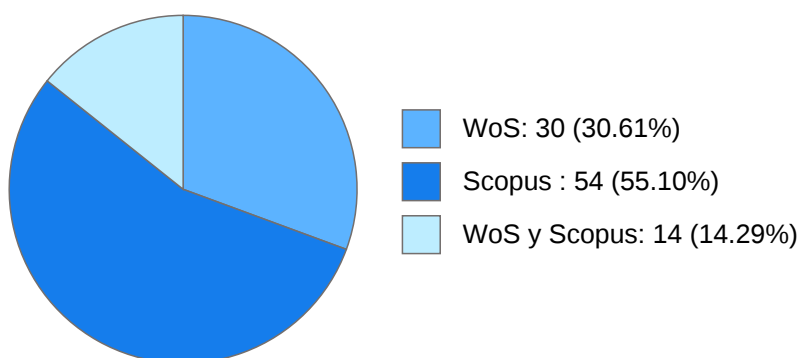
## Estímulos, programas, premios y reconocimientos

SNI I VIGENTE  
SNI I 2018 - 2024  
SNI II - 2017  
PRIDE C - 2024

**RENE EFRAIN CHAVEZ SEGURA**

**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



| # | Título                                                                                                                                                                                             | Autores                                                                                    | Revista                           | Año  |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------|------|
| 1 | Smoothing Filter and Correction Factor for Two-Dimensional Electrical Resistivity Tomography and Time Domain-Induced Polarization Data Collected in Difficult Terrains to Improve Inversion Models | ANDRES TEJERO ANDRADE AIDE<br>ESMERALDA LOPEZ GONZALEZ RENE<br>EFRAIN CHAVEZ SEGURA et al. | Mathematics                       | 2025 |
| 2 | Inversion of ERT-3D data using PSO and weighting functions                                                                                                                                         | SHAMARA ZORAIDA CRUZ ALANIS<br>ELSA LETICIA FLORES MARQUEZ<br>ANDRES TEJERO ANDRADE et al. | JOURNAL OF APPLIED GEOPHYSICS     | 2023 |
| 3 | Designing the underworld in Teotihuacan: Cave detection beneath the moon pyramid by ERT and ANT surveys                                                                                            | ANDRES TEJERO ANDRADE MARTIN<br>CARDENAS SOTO GERARDO<br>CIFUENTES NAVA et al.             | JOURNAL OF ARCHAEOLOGICAL SCIENCE | 2020 |
| 4 | Basement faults deduction at a dumpsite using advanced analysis of gravity and magnetic anomalies                                                                                                  | JOSE OSCAR CAMPOS ENRIQUEZ<br>RENE EFRAIN CHAVEZ SEGURA<br>Alatorre-Zamora M.A. et al.     | NEAR SURFACE GEOPHYSICS           | 2020 |

## RENE EFRAIN CHAVEZ SEGURA

|    |                                                                                                                                   |                                                                                                    |                                                                                                                 |      |
|----|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------|
| 5  | Experiences in the application of electric resistivity tomography (ERT) 3-D in the archaeological site of Chichen Itza, Yucatan   | ANDRES TEJERO ANDRADE GERARDO<br>CIFUENTES NAVA RENE EFRAIN<br>CHAVEZ SEGURA et al.                | Proceedings of the Symposium on the Application of Geophysics to Engineering and Environmental Problems, SAGEEP | 2019 |
| 6  | Induced Polarization and Resistivity of Second Potential Differences (SPD) with Focused Sources Applied to Environmental Problems | AIDE ESMERALDA LOPEZ GONZALEZ<br>ANDRES TEJERO ANDRADE JEJANNY<br>LUCERO HERNANDEZ MARTINEZ et al. | JOURNAL OF ENVIRONMENTAL AND ENGINEERING GEOPHYSICS                                                             | 2019 |
| 7  | ?Illuminating? the interior of Kukulcan's Pyramid, Chichén Itzá, Mexico, by means of a non-conventional ERT geophysical survey    | ANDRES TEJERO ANDRADE GERARDO<br>CIFUENTES NAVA JUAN ESTEBAN<br>HERNANDEZ QUINTERO et al.          | JOURNAL OF ARCHAEOLOGICAL SCIENCE                                                                               | 2018 |
| 8  | Karst Detection Beneath the Pyramid of El Castillo, Chichen Itza, Mexico, by Non-Invasive ERT-3D Methods                          | RENE EFRAIN CHAVEZ SEGURA<br>ANDRES TEJERO ANDRADE GERARDO<br>CIFUENTES NAVA et al.                | SCIENTIFIC REPORTS                                                                                              | 2018 |
| 9  | Tomografía de resistividad eléctrica 3D en la catedral de morelia, México                                                         | GERARDO CIFUENTES NAVA ANDRES<br>TEJERO ANDRADE JUAN ESTEBAN<br>HERNANDEZ QUINTERO et al.          | ARQUEOLOGIA IBEROAMERICANA                                                                                      | 2017 |
| 10 | Interior Imaging of El Castillo Pyramid, Chichen Itza, Mexico, Using ERT-3D Methods: Preliminary Results                          | RENE EFRAIN CHAVEZ SEGURA<br>ANDRES TEJERO ANDRADE GERARDO<br>CIFUENTES NAVA et al.                | GEOFISICA INTERNACIONAL                                                                                         | 2017 |
| 11 | Geophysical characterization of hydrogeologic systems                                                                             | JOSE OSCAR CAMPOS ENRIQUEZ<br>ELSA LETICIA FLORES MARQUEZ RENE<br>EFRAIN CHAVEZ SEGURA             | Leading Edge                                                                                                    | 2017 |
| 12 | Imaging Fractures beneath a Residential Complex Using Novel 3-D Electrical Resistivity Arrays                                     | RENE EFRAIN CHAVEZ SEGURA<br>ANDRES TEJERO ANDRADE GERARDO<br>CIFUENTES NAVA et al.                | JOURNAL OF ENVIRONMENTAL AND ENGINEERING GEOPHYSICS                                                             | 2015 |
| 13 | L- and Corner-arrays for 3D electric resistivity tomography: An alternative for geophysical surveys in urban zones                | ANDRES TEJERO ANDRADE GERARDO<br>CIFUENTES NAVA RENE EFRAIN<br>CHAVEZ SEGURA et al.                | NEAR SURFACE GEOPHYSICS                                                                                         | 2015 |
| 14 | Two algorithms to compute the electric resistivity response using Green's functions for 3D structures                             | ELSA LETICIA FLORES MARQUEZ<br>ANDRES TEJERO ANDRADE ADRIAN<br>MISAELE LEON SANCHEZ et al.         | GEOFISICA INTERNACIONAL                                                                                         | 2015 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------|
| 15 | Special 3D electric resistivity tomography (ERT) array applied to detect buried fractures on urban areas: San antonio tecómitl, Milpa alta, México | RENE EFRAIN CHAVEZ SEGURA<br>GERARDO CIFUENTES NAVA ANDRES<br>TEJERO ANDRADE et al.              | GEOFISICA<br>INTERNACIONAL                                                                                 | 2014 |
| 16 | 3D electrical prospection in the archaeological site of El Pahñú, Hidalgo State, Central Mexico                                                    | Denisse Argote Espino ANDRES<br>TEJERO ANDRADE GERARDO<br>CIFUENTES NAVA et al.                  | JOURNAL OF<br>ARCHAEOLOGIC<br>AL SCIENCE                                                                   | 2013 |
| 17 | A 3D electric resistivity tomography carried out to characterize the subsoil (fractures and subsidence) beneath a reside                           | RENE EFRAIN CHAVEZ SEGURA<br>ANDRES TEJERO ANDRADE GERARDO<br>CIFUENTES NAVA et al.              | Near Surface<br>Geoscience<br>2012                                                                         | 2012 |
| 18 | Application of the Wigner-Ville distribution to interpret ground - penetrating radar anomalies                                                     | RENE EFRAIN CHAVEZ SEGURA<br>ANDRES TEJERO ANDRADE Elizondo<br>M.A. et al.                       | GEOFISICA<br>INTERNACIONAL                                                                                 | 2012 |
| 19 | The 'L-Array', a 3D tool to characterize a fracture pattern in an urban zone                                                                       | ANDRES TEJERO ANDRADE RENE<br>EFRAIN CHAVEZ SEGURA<br>Chavez-Hernandez G. et al.                 | Near Surface<br>2011 - 17th<br>European<br>Meeting Of<br>Environmental<br>And<br>Engineering<br>Geophysics | 2011 |
| 20 | Determine areas of high risk in urban areas (sinkholes)                                                                                            | RENE EFRAIN CHAVEZ SEGURA<br>GERARDO CIFUENTES NAVA ANDRES<br>TEJERO ANDRADE et al.              | Near Surface<br>2011 - 17th<br>European<br>Meeting Of<br>Environmental<br>And<br>Engineering<br>Geophysics | 2011 |
| 21 | Geophysical Study of a Pre-Hispanic Lakeshore Settlement, Chiconahuapan Lake, Mexico                                                               | RENE EFRAIN CHAVEZ SEGURA<br>ANDRES TEJERO ANDRADE D. L.<br>Argote et al.                        | ARCHAEOLOGIC<br>AL<br>PROSPECTION                                                                          | 2010 |
| 22 | Geophysical and geotechnical studies applied to determine a subsidence problem in Pachuca de Soto, Hidalgo, Mexico                                 | LUIS ARTURO TAPIA CRESPO ANDRES<br>TEJERO ANDRADE RENE EFRAIN<br>CHAVEZ SEGURA                   | IAHS<br>Publication                                                                                        | 2010 |
| 23 | Application of Wigner-Ville distribution to identify anomalies in GPR profiles                                                                     | MARIA MACARITA ELIZONDO<br>GASPERIN RENE EFRAIN CHAVEZ<br>SEGURA ANDRES TEJERO ANDRADE<br>et al. | IAHS<br>Publication                                                                                        | 2010 |

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|    |                                                                                                                               |                                                                                                         |                                                                                                                                           |      |
|----|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------|
| 24 | Shallow geophysical survey at the archaeological site of San Miguel Tocuila, Basin of Mexico                                  | MARIA ALEJANDRA ARCINIEGA<br>CEBALLOS JUAN ESTEBAN<br>HERNANDEZ QUINTERO ENRIQUE<br>CABRAL CANO et al.  | JOURNAL OF<br>ARCHAEOLOGIC<br>AL SCIENCE                                                                                                  | 2009 |
| 25 | 3D modelling of magnetic data from an archaeological site in north-western Tlaxcala state, Mexico                             | Denisse L. Argote ANDRES TEJERO<br>ANDRADE RENE EFRAIN CHAVEZ<br>SEGURA et al.                          | JOURNAL OF<br>ARCHAEOLOGIC<br>AL SCIENCE                                                                                                  | 2009 |
| 26 | GPR and magnetic methods applied to characterize an archaeological site in central Mexico                                     | RENE EFRAIN CHAVEZ SEGURA<br>GERARDO CIFUENTES NAVA Argote<br>D.L. et al.                               | Near Surface<br>2007 - 13th<br>European<br>Meeting Of<br>Environmental<br>And<br>Engineering<br>Geophysics                                | 2007 |
| 27 | Combined use of the GGSFT data base and on board marine collected data to model the Moho beneath the Powell Basin, Antarctica | RENE EFRAIN CHAVEZ SEGURA ELSA<br>LETICIA FLORES MARQUEZ Sunriñach<br>E. et al.                         | GEOLOGICA<br>ACTA                                                                                                                         | 2007 |
| 28 | Study of geothermal water intrusion due to groundwater exploitation in the Puebla Valley aquifer system, Mexico               | ELSA LETICIA FLORES MARQUEZ<br>RAYMUNDO GERARDO MARTINEZ<br>SERRANO RENE EFRAIN CHAVEZ<br>SEGURA et al. | HYDROGEOLOG<br>Y JOURNAL                                                                                                                  | 2006 |
| 29 | GPR and electric tomography methods applied to assess a pre-Hispanic settlement in Central Mexico                             | RENE EFRAIN CHAVEZ SEGURA<br>ANDRES TEJERO ANDRADE Argote D.L.<br>et al.                                | 67th European<br>Association Of<br>Geoscientists<br>And Engineers,<br>Eage<br>Conference<br>And Exhibition,<br>Incorporating<br>Spe Europ | 2005 |
| 30 | Detection of possible archaeological pathways in Central Mexico through digital processing of remote sensing images           | RENE EFRAIN CHAVEZ SEGURA<br>Argote-Espino D.                                                           | ARCHAEOLOGIC<br>AL<br>PROSPECTION                                                                                                         | 2005 |
| 31 | Use of geophysical methods in urban archaeological prospection: The Basilica de Nuestra Señora de La Salud, Patzcuaro, Mexico | RENE EFRAIN CHAVEZ SEGURA<br>Cámara M.E. Ponce R. et al.                                                | GEOARCHAEOL<br>OGY-AN<br>INTERNATIONAL<br>JOURNAL                                                                                         | 2005 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------|------|
| 32 | Geophysical methods employed in urban archaeological prospecting: The Basilica de Nuestra Señora de la Salud, Patzcuaro, Mexico [Empleo de los métodos geofísicos en la prospección arqueológica urbana: La Basílica de Nuestra Señora de | RENE EFRAIN CHAVEZ SEGURA Ponce R. Argote D. et al.                                                 | TRABAJOS PREHIST                         | 2004 |
| 33 | Site characterization by geophysical methods in the archaeological zone of Teotihuacan, Mexico                                                                                                                                            | RENE EFRAIN CHAVEZ SEGURA ANDRES TEJERO ANDRADE LUIS ALBERTO BARBA PINGARRON et al.                 | JOURNAL OF ARCHAEOLOGICAL SCIENCE        | 2001 |
| 34 | Three-dimensional structure of the Laguna Salada Basin and its thermal regime                                                                                                                                                             | RENE EFRAIN CHAVEZ SEGURA JOSE OSCAR CAMPOS ENRIQUEZ MARIA DEL PILAR LADRON DE GUEVARA SOLIS et al. | GEOPHYSICAL PROSPECTING                  | 2000 |
| 35 | Multicomponent geophysical study performed to the east of the pyramid of the sun, teotihuacan, Mexico                                                                                                                                     | RENE EFRAIN CHAVEZ SEGURA ANDRES TEJERO ANDRADE Cámara M.E.                                         | SEG Technical Program Expanded Abstracts | 2000 |
| 36 | Geothermal model of the Chicxulub impact region                                                                                                                                                                                           | ELSA LETICIA FLORES MARQUEZ RENE EFRAIN CHAVEZ SEGURA                                               | SEG Technical Program Expanded Abstracts | 2000 |
| 37 | Simultaneous magnetic observations at Teoloyucan magnetic observatory and Popocatepetl Volcano, Mexico                                                                                                                                    | GERARDO CIFUENTES NAVA ENRIQUE CABRAL CANO RENE EFRAIN CHAVEZ SEGURA et al.                         | Revista Geofísica                        | 1999 |
| 38 | Basement topography of the Mexicali Valley from spectral and ideal body analysis of gravity data                                                                                                                                          | RENE EFRAIN CHAVEZ SEGURA JOSE OSCAR CAMPOS ENRIQUEZ ELSA LETICIA FLORES MARQUEZ et al.             | JOURNAL OF SOUTH AMERICAN EARTH SCIENCES | 1999 |
| 39 | Saltwater intrusion of the Costa de Hermosillo aquifer, Sonora, Mexico: A numerical simulation                                                                                                                                            | ELSA LETICIA FLORES MARQUEZ JOSE OSCAR CAMPOS ENRIQUEZ RENE EFRAIN CHAVEZ SEGURA et al.             | GEOFISICA INTERNACIONAL                  | 1998 |
| 40 | Mapping Chicxulub crater structure with gravity and seismic reflection data                                                                                                                                                               | JOSE CARLOS ORTIZ ALEMAN RENE EFRAIN CHAVEZ SEGURA JAIME HUMBERTO URRUTIA FUCUGAUCHI et al.         | Geological Society Special Publication   | 1998 |
| 41 | The subsurface structure of the Chalco sub-basin (Mexico City) inferred from geophysical data                                                                                                                                             | JOSE OSCAR CAMPOS ENRIQUEZ RENE EFRAIN CHAVEZ SEGURA ELSA LETICIA FLORES MARQUEZ et al.             | Geophysics                               | 1997 |
| 42 | A 3D gravimetric crustal model for the northeastern region of the Iberian Peninsula                                                                                                                                                       | RENE EFRAIN CHAVEZ SEGURA Suriñach E.                                                               | GEOPHYSICAL RESEARCH LETTERS             | 1996 |

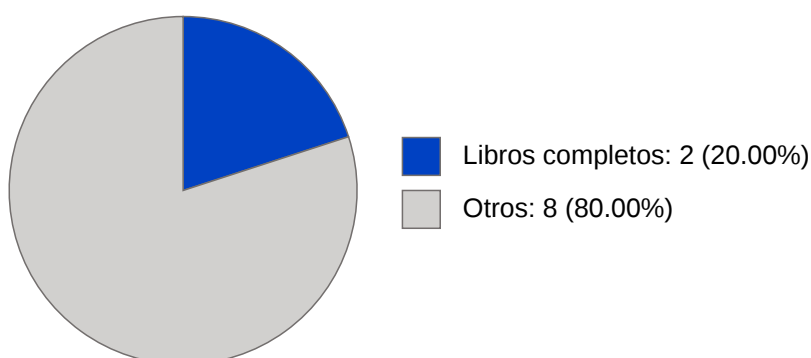
## RENE EFRAIN CHAVEZ SEGURA

|    |                                                                                                                                         |                                                                                             |                                   |      |
|----|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------|------|
| 43 | Lateral and topographic effects in geoelectric soundings                                                                                | RENE EFRAIN CHAVEZ SEGURA Pous J. Queralt P.                                                | JOURNAL OF APPLIED GEOPHYSICS     | 1996 |
| 44 | Yucatán karst features and the size of Chicxulub crater                                                                                 | JOSE CARLOS ORTIZ ALEMAN RENE EFRAIN CHAVEZ SEGURA JAIME HUMBERTO URRUTIA FUCUGAUCHI et al. | GEOPHYSICAL JOURNAL INTERNATIONAL | 1996 |
| 45 | Size and structure of the Chicxulub crater revealed by horizontal gravity gradients and cenotes                                         | RENE EFRAIN CHAVEZ SEGURA Hildebrand A.R. Pilkington M. et al.                              | Nature                            | 1995 |
| 46 | Shallow SH-refraction survey on Mexico City mud: amplification by wedge effects                                                         | RENE EFRAIN CHAVEZ SEGURA CINNA LOMNITZ ARONSFRAU Alvarez J.                                | First Break                       | 1995 |
| 47 | Application of the fast fourier transform to interpret geoelectric anomalies: Preliminary results                                       | RENE EFRAIN CHAVEZ SEGURA Cámara M.E. Herrera J. et al.                                     | JOURNAL OF ARCHAEOLOGICAL SCIENCE | 1995 |
| 48 | CAVES AND GEOPHYSICS: AN APPROXIMATION TO THE UNDERWORLD OF TEOTIHUACAN, MEXICO                                                         | LINDA ROSA MANZANILLA NAIM LUIS ALBERTO BARBA PINGARRON RENE EFRAIN CHAVEZ SEGURA et al.    | Archaeometry                      | 1994 |
| 49 | Interpretation of gravity data from the Xochimilco-Chalco Basin, Mexico (preliminary results)                                           | RENE EFRAIN CHAVEZ SEGURA Flores E.L.                                                       | Revista Geofísica                 | 1989 |
| 50 | Joint interpretation of gravity and magnetic data over axial symmetric bodies with application to the Darnley Bay anomaly, NWT, Canada. | RENE EFRAIN CHAVEZ SEGURA Bailey R.C. Garland G.D.                                          | GEOPHYSICAL PROSPECTING           | 1987 |
| 51 | An integrated geophysical study of the geothermal field of Tule Chek, B.C., Mexico                                                      | RENE EFRAIN CHAVEZ SEGURA                                                                   | Geothermics                       | 1987 |
| 52 | Inversion of gravity data from the Laguna Salada basin, B.C., Mexico                                                                    | RENE EFRAIN CHAVEZ SEGURA                                                                   | 1986 Seg Annual Meeting, Seg 1986 | 1986 |
| 53 | LINEAR INVERSION OF GRAVITY DATA USING THE SPECTRAL EXPANSION METHOD.                                                                   | RENE EFRAIN CHAVEZ SEGURA Garland George D.                                                 | Geophysics                        | 1985 |
| 54 | ON THE APPLICATION OF INVERSE THEORY TO GRAVITY INTERPRETATION.                                                                         | RENE EFRAIN CHAVEZ SEGURA Garland G.D.                                                      | GEOPHYSICAL PROSPECTING           | 1983 |

## RENE EFRAIN CHAVEZ SEGURA

### LIBROS Y CAPITULOS CON ISBN

#### Obras con registro ISBN



| # | Título                                                                                                         | Autores                                                                                               | Alcance              | Año  | ISBN          |
|---|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------|------|---------------|
| 1 | El inframundo de Teotihuacan                                                                                   | LINDA ROSA MANZANILLA<br>NAIM GALIA GONZALEZ<br>HERNANDEZ LAURA<br>EUGENIA BERAMENDI<br>OROSCO et al. | Libro<br>Completo    | 2023 | 9786073080149 |
| 2 | El inframundo de Teotihuacan                                                                                   | LINDA ROSA MANZANILLA<br>NAIM GALIA GONZALEZ<br>HERNANDEZ LAURA<br>EUGENIA BERAMENDI<br>OROSCO et al. | Libro<br>Completo    | 2023 | 9786073080156 |
| 3 | The ERT-3D method as a tool to explore the pyramid of la luna and the main plaza subsoils, Teotihuacan, Mexico | RENE EFRAIN CHAVEZ<br>SEGURA ANDRES TEJERO<br>ANDRADE GERARDO<br>CIFUENTES NAVA et al.                | Conferenc<br>e Paper | 2019 | 9789462822634 |
| 4 | 3D electrical resistivity image of the morelia city cathedral subsoil                                          | RENE EFRAIN CHAVEZ<br>SEGURA GERARDO<br>CIFUENTES NAVA ANDRES<br>TEJERO ANDRADE et al.                | Conferenc<br>e Paper | 2016 | 9781510839212 |
| 5 | A special ERT-3D array carried out to investigate the subsoil of the Pyramid El Castillo, Chichen Itza, Mexico | RENE EFRAIN CHAVEZ<br>SEGURA ANDRES TEJERO<br>ANDRADE GERARDO<br>CIFUENTES NAVA et al.                | Conferenc<br>e Paper | 2015 | 9781510814127 |

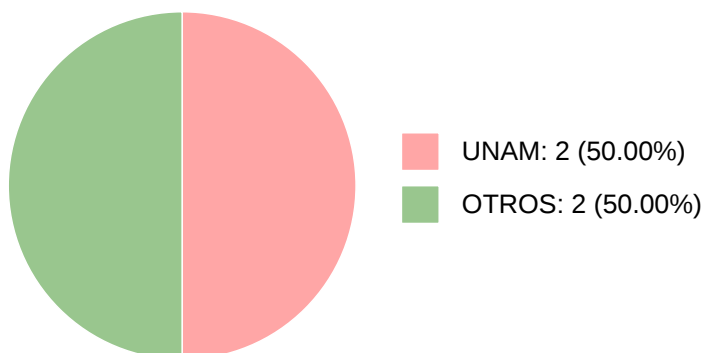
**RENE EFRAIN CHAVEZ SEGURA**

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|----|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------|------|---------------|
| 6  | Non-conventional 3D electric resistivity tomography arrays                                  | GERARDO CIFUENTES<br>NAVA RENE EFRAIN<br>CHAVEZ SEGURA Vargas<br>D. et al.                                 | Conferenc<br>e Paper | 2014 | 9789462820272 |
| 7  | Electrical resistivity tomography 3D study in Pahñú archaeological site, central México     | GERARDO CIFUENTES<br>NAVA RENE EFRAIN<br>CHAVEZ SEGURA ANDRES<br>TEJERO ANDRADE et al.                     | Conferenc<br>e Paper | 2013 | 9781627483810 |
| 8  | Urban electrical resistivity tomography and its impact in subsidences problems              | ANDRES TEJERO<br>ANDRADE GERARDO<br>CIFUENTES NAVA RENE<br>EFRAIN CHAVEZ SEGURA<br>et al.                  | Conferenc<br>e Paper | 2013 | 9781627483810 |
| 9  | 3D model of the Etla valley aquifer, Oaxaca, Mex.: Geohydrological evolution and geophysics | ELSA LETICIA FLORES<br>MARQUEZ RAYMUNDO<br>GERARDO MARTINEZ<br>SERRANO RENE EFRAIN<br>CHAVEZ SEGURA et al. | Conferenc<br>e Paper | 2006 | 9781622760657 |
| 10 | The wigner-ville transform, an approach to interpret GPR data: The Mexico City case         | MARTHA ANGELICA<br>ELIZONDO SAMANO RENE<br>EFRAIN CHAVEZ SEGURA<br>ANDRES TEJERO<br>ANDRADE et al.         | Conferenc<br>e Paper | 2006 | 9781622760657 |

**RENE EFRAIN CHAVEZ SEGURA**

**PARTICIPACIÓN EN PROYECTOS**

**Histórico de participación en proyectos**



| # | Nombre                                                                                                              | Participantes                | Fuente                                           | Fecha inicio | Fecha fin  |
|---|---------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------|--------------|------------|
| 1 | Aplicación de métodos geofísicos en zonas urbanas y arqueológicas.                                                  | RENE EFRAIN<br>CHAVEZ SEGURA | Presupuesto de la UNAM asignado a la Dependencia | 01-01-2018   | 31-12-2021 |
| 2 | Análisis geofísico para la caracterización del subsuelo de las Cajas Regionales Centro (Ciudad de México) y Mérida. | RENE EFRAIN<br>CHAVEZ SEGURA | Sector Público (Federal, Estatal o Municipal)    | 02-06-2017   | 20-04-2018 |
| 3 | Estudio geofísico y un estudio estructural, de la Unidad Habitacional Tepozanes, financiada por el INFONAVIT        | RENE EFRAIN<br>CHAVEZ SEGURA | Sector Público (Federal, Estatal o Municipal)    | 30-10-2017   | 02-03-2018 |
| 4 | Aplicación de métodos geofísicos en áreas urbanas.                                                                  | RENE EFRAIN<br>CHAVEZ SEGURA | Presupuesto de la UNAM asignado a la Dependencia | 01-01-2023   | 31-12-2023 |



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



**RENE EFRAIN CHAVEZ SEGURA**

**PARTICIPACIÓN EN TESIS**

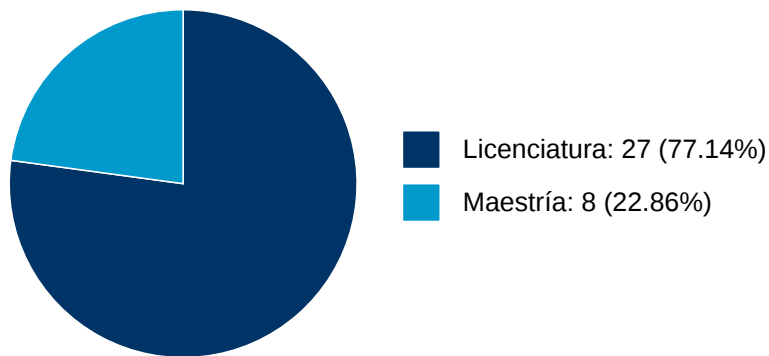
**No se encuentran registros en la base de datos de TESIUNAM asociados a:**

**RENE EFRAIN CHAVEZ SEGURA**

**RENE EFRAIN CHAVEZ SEGURA**

**DOCENCIA IMPARTIDA**

**Histórico de docencia**



| #  | Nivel titulación | Asignatura                                      | Entidad                | Alumnos | Semestre |
|----|------------------|-------------------------------------------------|------------------------|---------|----------|
| 1  | Licenciatura     | PROSPECCION GRAVIMETRICA-MAGNETOMET             | Facultad de Ingeniería | 13      | 2024-2   |
| 2  | Licenciatura     | PROSPECCION GRAVIMETRICA-MAGNETOMET             | Facultad de Ingeniería | 26      | 2024-1   |
| 3  | Licenciatura     | PROSPECCION GRAVIMETRICA-MAGNETOMET             | Facultad de Ingeniería | 27      | 2023-2   |
| 4  | Licenciatura     | PROSPECCION GRAVIMETRICA-MAGNETOMET             | Facultad de Ingeniería | 28      | 2023-1   |
| 5  | Licenciatura     | PROSPECCION GRAVIMETRICA-MAGNETOMET             | Facultad de Ingeniería | 20      | 2022-2   |
| 6  | Licenciatura     | PROSPECCION GRAVIMETRICA-MAGNETOMET             | Facultad de Ingeniería | 15      | 2022-1   |
| 7  | Licenciatura     | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 1       | 2021-2   |
| 8  | Licenciatura     | PROSPECCION GRAVIMETRICA-MAGNETOMET             | Facultad de Ingeniería | 9       | 2021-2   |
| 9  | Licenciatura     | PROSPECCION GRAVIMETRICA-MAGNETOMET             | Facultad de Ingeniería | 4       | 2021-1   |
| 10 | Licenciatura     | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 4       | 2021-1   |
| 11 | Licenciatura     | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 6       | 2020-2   |
| 12 | Licenciatura     | PROSPECCION GRAVIMETRICA-MAGNETOMET             | Facultad de Ingeniería | 16      | 2020-2   |
| 13 | Maestría         | ACTIVIDAD ACADÉMICA PARA LA OBTENCIÓN DEL GRADO | Instituto de Geofísica | 1       | 2020-1   |

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|----|--------------|-------------------------------------------------|------------------------|----|--------|
| 14 | Maestría     | ACTIVIDAD ACADÉMICA PARA LA OBTENCIÓN DEL GRADO | Instituto de Geofísica | 1  | 2019-2 |
| 15 | Licenciatura | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 15 | 2019-2 |
| 16 | Licenciatura | PROSPECCION GRAVIMETRICA-MAGNETOMET             | Facultad de Ingeniería | 8  | 2019-2 |
| 17 | Maestría     | SEMINARIO DE INVESTIGACIÓN                      | Instituto de Geofísica | 1  | 2019-1 |
| 18 | Maestría     | ACTIVIDAD ACADÉMICA PARA LA OBTENCIÓN DEL GRADO | Instituto de Geofísica | 1  | 2019-1 |
| 19 | Licenciatura | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 13 | 2018-2 |
| 20 | Maestría     | SEMINARIO DE INVESTIGACION                      | Instituto de Geofísica | 1  | 2018-1 |
| 21 | Maestría     | ACTIVIDAD ACADEMICA PARA LA OBTENCION DEL GRADO | Instituto de Geofísica | 1  | 2018-1 |
| 22 | Licenciatura | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 29 | 2017-2 |
| 23 | Licenciatura | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 55 | 2016-2 |
| 24 | Licenciatura | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 25 | 2015-2 |
| 25 | Licenciatura | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 28 | 2014-2 |
| 26 | Licenciatura | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 27 | 2013-2 |
| 27 | Licenciatura | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 30 | 2012-2 |
| 28 | Licenciatura | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 24 | 2011-2 |
| 29 | Licenciatura | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 17 | 2010-2 |
| 30 | Maestría     | SEMINARIO DE INVESTIGACION                      | Instituto de Geofísica | 1  | 2010-2 |
| 31 | Licenciatura | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 33 | 2009-2 |
| 32 | Licenciatura | PROSPECCION GRAVIM-MAGNETOM.                    | Facultad de Ingeniería | 1  | 2009-2 |
| 33 | Licenciatura | PROSPECCION GRAVIM-MAGNETOM.                    | Facultad de Ingeniería | 6  | 2008-2 |
| 34 | Licenciatura | PROSPECCION GRAVIMETR. Y MAGNETOMET             | Facultad de Ingeniería | 8  | 2008-2 |
| 35 | Maestría     | SEMINARIO DE INVESTIGACION                      | Instituto de Geofísica | 1  | 2008-2 |



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



**RENE EFRAIN CHAVEZ SEGURA**

**PATENTES**

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

**RENE EFRAIN CHAVEZ SEGURA**

**RENE EFRAIN CHAVEZ SEGURA**

**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 |