



MINISTERIO
DE CIENCIA
E INNOVACIÓN

DIRECCIÓN GENERAL
DE INVESTIGACIÓN Y GESTIÓN
DEL PLAN NACIONAL DE I+D+i

SUBDIRECCIÓN GENERAL DE
FORMACIÓN E INCORPORACIÓN
DE INVESTIGADORES

Curriculum vitae Standardized form

Total number of pages: 27

Name: Óscar Ibáñez Panizo

Date: 28/11/2016

PERSONAL DATA

Family name: Ibáñez Panizo
ID/Passport no: 44432787F
Nationality: SPANISH

Forename: Óscar
Date of birth : 1981-06-24
Gender: M

PRESENT PROFESIONAL POSITION

Institution: University of Granada
Faculty, School or Institute: E.T.S.I. Informática y de Telecomunicaciones
Department: Ciencias de la Computación e Inteligencia Artificial
Address: c/. Daniel Saucedo Aranda, s/n 18071 Granada
Country: Spain
Telephone (indicate prefix, number and extension): +34 958244019
Fax: +34 958 243317
E-mail: oscar.ibanez@decsai.ugr.es

Field of study (UNESCO codes): 1203

Professional status: Post-doctoral researcher Start date: 2014-01-01

Administrative status

Permanent Staff holder Hired on contracts Acting Fellowship
 Others specify:

Full-time
Part-time

PRESENT RESEARCH AREA

Soft computing, evolutionary algorithms, computational forensics, fuzzy logic, artificial neural networks, image registration, image segmentation, deformable models, medical image, forensic anthropology.

ACADEMIC BACKGROUND

<i>Bachelor</i>	<i>Centre</i>	<i>Date</i>
<i>“Experto Universitario” (20 ECTS, 1/3 Master degree) in Health Computer Science and Telemedicine</i>	<i>U.N.E.D.</i>	<i>03 January 2008</i>
<i>“Experto Universitario” (24 ECTS, 1/3 Master degree) in Computer Vision and Robotics</i>	<i>University of Alicante</i>	<i>28 Julio 2006</i>
<i>Master degree in Computer Science</i>	<i>University of La Coruña</i>	<i>09 March 2006</i>
<i>Bachelor degree in Computer Science</i>	<i>P. University of Salamanca</i>	<i>10 July 2002</i>

<i>Ph.D.</i>	<i>Centre</i>	<i>Thesis Supervisor</i>	<i>Date</i>
<i>Ph. D. in Computer Science</i>	<i>University of Santiago de Compostela</i>	<i>O. Cerdón and S. Damas</i>	<i>September 2010</i>
<i>DEA (Ph. D. courses and research works)</i>	<i>University of La Coruña</i>	<i>J.R. Rabuñal</i>	<i>June 2008</i>

PAST SCIENTIFIC EXPERIENCE (*)

<i>Position</i>	<i>R&D Centre</i>	<i>Institution (**)</i>	<i>Start date</i>	<i>End date</i>
<i>Post-doctoral national fellowship “Juan de la Cierva-incorporación”</i>	<i>DECSAI</i>	<i>University of Granada</i>	<i>01/09/2016</i>	<i>31/08/2018</i>
<i>Post-doctoral national fellowship “Juan de la Cierva”</i>	<i>DECSAI</i>	<i>University of Granada</i>	<i>01/01/2014</i>	<i>31/08/2016</i>
<i>Associate researcher</i>	<i>Applications of fuzzy logic and evolutionary algorithms</i>	<i>European Centre for Soft Computing</i>	<i>01/01/2013</i>	<i>31/12/2013</i>
<i>Post-doctoral researcher</i>	<i>Applications of fuzzy logic and evolutionary algorithms</i>	<i>European Centre for Soft Computing</i>	<i>25/03/2011</i>	<i>31/12/2012</i>
<i>Research assistant</i>	<i>Applications of fuzzy logic and evolutionary algorithms</i>	<i>European Centre for Soft Computing</i>	<i>24/03/2008</i>	<i>24/03/2011</i>
<i>Ph. D. Fellowship</i>	<i>RNASA/IMEDIR Research Group</i>	<i>Xunta de Galicia</i>	<i>2007-10-01</i>	<i>2008-03-23</i>
<i>Hired on contract</i>	<i>RNASA/IMEDIR Research Group</i>	<i>University of La Coruña</i>	<i>2006-06-15</i>	<i>2007-10-01</i>
<i>Fellowship</i>	<i>CECAFI</i>	<i>University of La Coruña</i>	<i>2005-10-01</i>	<i>2005-12-31</i>

(*) The information contained in this chart will be used to verify the placement requirements with respect to mobility. (**) If the Institution is a “joint centre”, you should specify all the centres involved in running it.

LANGUAGES (N = NORMAL, G = GOOD, P = PERFECTLY)

<i>Language</i>	<i>Speaking</i>	<i>Reading</i>	<i>Writing</i>
<i>English</i>	<i>G</i>	<i>P</i>	<i>P</i>
<i>Italian</i>	<i>N</i>	<i>G</i>	<i>N</i>
<i>Galician</i>	<i>G</i>	<i>P</i>	<i>N</i>
<i>French</i>	<i>N</i>	<i>N</i>	<i>N</i>
<i>Spanish</i>	<i>P</i>	<i>P</i>	<i>P</i>

PARTICIPATION IN RESEARCH PROJECTS

PROJECT TITLE: Open Researchers
FINANCIAL ENTITY: H2020-MSCA-NIGHT2016. 722930
LENGHT FROM: 2016-05-14 TO: 2018-10-15
BUDGET: 174.782€
PRINCIPAL INVESTIGATOR: Ana Isabel García López (UGR partner)

PROJECT TITLE: New Horizons in Forensic Anthropology using Computational Intelligence II
FINANCIAL ENTITY: Ministry of Education, Culture, and Sports. Juan de la Cierva Incorporación IJCI-2014-22433
LENGHT FROM: 2016-09-01 TO: 2018-08-31
BUDGET: 58.600€
PRINCIPAL INVESTIGATOR: Oscar Ibáñez (grant holder), Oscar Cordón (tutor)

PROJECT TITLE: NEWSOCO. Nuevas metodologías de soft computing para problemas de alta complejidad. Aplicación al modelado de sistemas sociales y a técnicas automáticas de identificación forense
FINANCIAL ENTITY: Ministerio de Economía y Competitividad TIN2015-67661-P
LENGHT FROM: 2016-01-01 TO: 2018-12-31
BUDGET: 180.000€
PRINCIPAL INVESTIGATOR: Oscar Cordón

PROJECT TITLE: Automatización de la Identificación Forense por Superposición Craneofacial mediante técnicas de Soft Computing y Visión por Ordenador
FINANCIAL ENTITY: Ministry of Education, Culture, and Sports. FPU12/04285
LENGHT FROM: 2013-04-01 TO: 2017-03-31
BUDGET: 80.000€
PRINCIPAL INVESTIGATOR: Carmen Campomanes (grant holder), Oscar Ibáñez and Oscar Cordón (PhD advisors)

PROJECT TITLE: Automatic assessment of the skull-face relationships based on morphological spatial relationships in Craniofacial Superimposition
FINANCIAL ENTITY: Start-up Projects for Young Researchers, GENIL-PYR-2014– University of Granada
LENGHT *FROM:* 2014-04-01 *TO:* 2015-01-31
BUDGET: 3.000€
PRINCIPAL INVESTIGATOR: Oscar Ibáñez

PROJECT TITLE: New Horizons in Forensic Anthropology using Computational Intelligence
FINANCIAL ENTITY: Ministry of Education, Culture, and Sports. Juan de la Cierva JCI-2012-15359
LENGHT *FROM:* 2014-01-01 *TO:* 2016-12-31
BUDGET: 86.400€
PRINCIPAL INVESTIGATOR: Oscar Ibáñez (grant holder), Oscar Cordón (tutor)

PROJECT TITLE: Automatización de la Identificación Forense por Superposición Craneofacial mediante técnicas de Soft Computing y Visión por Ordenador
FINANCIAL ENTITY: Ministry of Education, Culture, and Sports. FPU12/04285
LENGHT *FROM:* 2013-04-01 *TO:* 2017-03-31
BUDGET: 80.000€
PRINCIPAL INVESTIGATOR: Carmen Campomanes (grant holder), Oscar Ibáñez and Oscar Cordón (PhD advisors)

PROJECT TITLE: Innovative Poplar Low Density Structural Panel (I-PAN)
FINANCIAL ENTITY: 7º Framework programme – European Commission
LENGHT *FROM:* 2012-11-01 *TO:* 2015-10-31
BUDGET: 4.107.915€ (308.630 for the ECSC)
PRINCIPAL INVESTIGATOR: Lauro Zoffoli (Henrique Ruspini in the ECSC)

PROJECT TITLE: SOCOVIFI2. Nuevos Desarrollos sobre Soft Computing y Visión por Ordenador en Identificación Forense (New Developments on SOft COmputing and Computer VIsion Techniques in Forensic Identification)
FINANCIAL ENTITY: Ministerio de Economía y Competitividad TIN2012-38525-C02
LENGHT *FROM:* 2013-01-01 *TO:* 2015-12-31
BUDGET: 113.500€
PRINCIPAL INVESTIGATOR: Oscar Cordón

PROJECT TITLE: Nuevos Desarrollos en Métodos Automáticos de Identificación Forense por Superposición Craneofacial Basados en Técnicas de Soft Computing (New Developments on Automatic Methods of Forensic Identification by Craniofacial Superimposition Based on Soft Computing Techniques)
FINANCIAL ENTITY: Consejería de Innovación, Ciencia y Empresa, Junta de Andalucía P11-TIC-7745
LENGHT *FROM:* 2013-02-01 *TO:* 2017-01-31
BUDGET: 192.771€
PRINCIPAL INVESTIGATOR: Oscar Cordón

PROJECT TITLE: MEPROCS. New methodologies and protocols of forensic identification by craniofacial superimposition

FINANCIAL ENTITY: European Commission. FP7 Security Call. Topic SEC-2011.1.4-3 – Advanced forensic framework – Coordination and Support Actions. Contract Ref. FP7-SEC-2011-285624.

LENGHT FROM: 2012-02-01 TO: 2014-07-31

BUDGET: 1.005.800€ (400.000€ for the ECSC)

PRINCIPAL INVESTIGATOR: Sergio Damas

PROJECT TITLE: ACARO-3D. Clasificación Automática de Restos Arqueológicos Obtenidos con Técnicas Inteligentes de Reconstrucción 3D (Automatic Classification of Archeological Remains Obtained with Intelligent 3D Reconstruction Techniques)

FINANCIAL ENTITY: Universidad de Jaén R1/12/2010/61

LENGHT FROM: 2011-03-01 TO: 2013-02-28

BUDGET: 7000€

PRINCIPAL INVESTIGATOR: José Santamaría

PROJECT TITLE: Medical Imaging using Bio-inspired and Soft Computing (MIBISOC)

FINANCIAL ENTITY: European Commission. Marie Curie Actions. FP7-PEOPLE-ITN-2008. Contract Ref. 238819

LENGHT FROM: 2010-01-01 TO: 2013-12-31

BUDGET: 3.314.788€ (674.740€ for the ECSC)

PRINCIPAL INVESTIGATOR: Óscar Cordón

PROJECT TITLE: SIMMRA. Metaheurísticas mono- y multi-objetivo para aplicaciones reales: Equilibrado de líneas de montaje, minería de mapas visuales de la ciencia y modelado forense 3D

FINANCIAL ENTITY: Ministerio de Ciencia e Innovación TIN2009-07727

LENGHT FROM: 2010-01-01 TO: 2013-01-01

BUDGET: 147.400€

PRINCIPAL INVESTIGATOR: Oscar Cordón

PROJECT TITLE: OASIS, Operación de autopistas seguras, inteligentes y sostenibles

FINANCIAL ENTITY: CDTI. MICINN. CENIT-2008-1016

LENGHT FROM: 2008-03-01 TO: 2011-12-31

BUDGET: 13.910.968€ (262.000€ for the ECSC)

PRINCIPAL INVESTIGATOR: F. GARCÍA LINARES (Luis Magdalena in the ECSC)

PROJECT TITLE: RESULTA: Red de Consultoría para la Gestión de Procesos y Relaciones

FINANCIAL ENTITY: Ministerio de Industria, Turismo y Comercio. Proyecto Singular Estratégico. Subprograma Avanza I+D 2009. Prioridad Temática: Internet del Futuro. TSI-020301-2009-31

LENGHT FROM: 2009-06-01 TO: 2011-01-31

BUDGET: 1.350.540€ (277.354,73€ for the ECSC)

PRINCIPAL INVESTIGATOR: Dr. ÓSCAR CORDÓN (ECSC node coordinator)

PROJECT TITLE: PROCOGNIT2. Marco tecnológico para la cognición de procesos industriales

FINANCIAL ENTITY: Ministerio de Industria, Turismo y Comercio PID-020100-2009-7

LENGHT FROM: 2010-01-01 TO: 2010-12-31

BUDGET: 68.575€ (14.415€ for the ECSC)

PRINCIPAL INVESTIGATOR: Javier García Sedano (Oscar Cordón in the ECSC)

PROJECT TITLE: PROCOGNIT. Marco tecnológico para la cognición de procesos industriales
FINANCIAL ENTITY: Ministerio de Ciencia e Innovación. Proyecto del Programa Nacional de Proyectos de Investigación Aplicada. Subprograma Investigación aplicada-Centros Tecnológicos IAP-020100-2008-15

LENGHT *FROM:* 2008-01-01 *TO:* 2009-12-31

BUDGET: 119.299€ (22.637 for the ECSC)

PRINCIPAL INVESTIGATOR: Eusebio Gainza (Oscar Cordón in the ECSC)

PROJECT TITLE: Modelización del funcionamiento en términos cuantitativos y cualitativos de cuencas rurales y urbanas mediante técnicas de computación evolutiva (MEC CGL2007-64155)

FINANCIAL ENTITY: Ministerio de Educación y Ciencia

LENGHT *FROM:* 2007-10-01 *TO:* 2010-09-30

BUDGET: 131.890€

PRINCIPAL INVESTIGATOR: Jerónimo Puertas Agudo

PROJECT TITLE: Soft Computing y Visión por Ordenador en Identificación Forense

FINANCIAL ENTITY: Ministerio de Educación y Ciencia

LENGHT *FROM:* 2006-10-01 *TO:* 2009-09-30

BUDGET: 79.860€

PRINCIPAL INVESTIGATOR: Miguel Cecilio Botella López

PROJECT TITLE: Herramientas avanzadas para la protección del litoral de Galicia y la Región Norte de Portugal frente a vertidos de hidrocarburos en alta mar (PROLIT)

FINANCIAL ENTITY: Fondos Europeos de Desarrollo Regional (FEDER-INTERREG IIIA)(Ref. SP1E194/03)

LENGHT *FROM:* 2005-01-01 *TO:* 2007-12-31

BUDGET: 1.081.890€ (277.343€)

PRINCIPAL INVESTIGATOR: Gregorio Iglesias Rodríguez

PUBLICATIONS

Key: B= full book, CB.= chapter of book, A= article, R= review, E= editor

(*) Those publications in process and not yet published, just specify publication status. (**)When applicable/available

AUTHORS (in order of authorship): O. Ibáñez, R. Vicente, D. Navega, B. R. Campomanes-Álvarez, C. Cattaneo, R. Jankauskas, M. I. Huete, F. Navarro, R. Hardiman, E. Ruiz, K. Imaizumi, F. Cavalli, E.

Veselovskaya, D. Humpire, J. Cardoso, F. Collini, D. Mazzarelli, D. Gibelli, S. Damas

TITLE: MEPROCS framework for Craniofacial Superimposition: validation study

JOURNAL/BOOK TITLE: Legal Medicine

KEY: A

VOLUME: 23

FIRST AND LAST PAGE: 99-108

DATE OF PUBLICATION ():* 2016

JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR

*OF PUBLICATION (**):* YES NO

*IMPACT FACTOR (**):* 1.442

TOTAL NUMBER OF TIMES CITED: -

AUTHORS (in order of authorship): Clbáñez O, Valsecchi A, Cavalli F, Huete MI, Campomanes-Alvarez

BR, Campomanes-Alvarez C, Vicente R, Navega DS, Ross A, Wilkinson C, Jankauskas R, Imaizumi K,

Hardiman R, PT Jayaprakash, Ruiz E, Molinero F, Lestón P, Veselovskaya E, Abramov A, Steyn M,

Cardoso J, Humpire D, Lusnig L, Gibelli DM, Mazzarelli D, Gaudio D, Collini F, Damas S

TITLE: Study on the criteria for assessing skull-face correspondence in craniofacial superimposition

JOURNAL/BOOK TITLE: Legal Medicine

KEY: A

VOLUME: 23

FIRST AND LAST PAGE: 59-70

DATE OF PUBLICATION ():* I2016

JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR

*OF PUBLICATION (**):* YES NO

*IMPACT FACTOR (**):* 1,442

TOTAL NUMBER OF TIMES CITED: -

AUTHORS (in order of authorship): Campomanes-Álvarez C, Campomanes-Álvarez B, Ibáñez O, Cordon O, Guadarrama S

TITLE: An experimental study on fuzzy distances for skull-face overlay in craniofacial superimposition

JOURNAL/BOOK TITLE: Fuzzy Sets and Systems

KEY: A

VOLUME: -

FIRST AND LAST PAGE: -

DATE OF PUBLICATION ():* In press

JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR

*OF PUBLICATION (**):* YES NO

*IMPACT FACTOR (**):* 2.098

TOTAL NUMBER OF TIMES CITED: -

AUTHORS (in order of authorship): Mesejo P, Ibáñez O, Cordon, Cagnoni S.

TITLE: A Survey on Image Segmentation using Metaheuristic-based Deformable Models: State of the Art and Critical Analysis

JOURNAL/BOOK TITLE: Applied Soft Computing

KEY: A

VOLUME: 44

FIRST AND LAST PAGE: 1-29

DATE OF PUBLICATION ():* I2016

JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR

*OF PUBLICATION (**):* YES NO

*IMPACT FACTOR (**):* 2.857

TOTAL NUMBER OF TIMES CITED: 2

AUTHORS (in order of authorship): N. Bova, V. Gal, O. Ibáñez, O. Córdón
TITLE: Deformable models direct supervised guidance: a novel paradigm for automatic image segmentation
JOURNAL/BOOK TITLE: Neurocomputing *KEY:* A
VOLUME: 177 *FIRST AND LAST PAGE:* 317–333
DATE OF PUBLICATION ():* 2016
*JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**):* YES NO *IMPACT FACTOR (**):* 2.392
TOTAL NUMBER OF TIMES CITED: -

AUTHORS (in order of authorship): C. Campomanes-Álvarez, O. Ibáñez, O. Córdón
TITLE: Design of Criteria to Assess Craniofacial Correspondence in Forensic Identification based on Computer Vision and Fuzzy Integrals
JOURNAL/BOOK TITLE: Applied Soft Computing *KEY:* A
VOLUME: 46 *FIRST AND LAST PAGE:* 596-612
DATE OF PUBLICATION ():* 2016
*JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**):* YES NO *IMPACT FACTOR (**):* 2.857
TOTAL NUMBER OF TIMES CITED: 2

AUTHORS (in order of authorship): BR. Campomanes-Álvarez, C. Campomanes-Álvarez, O. Ibáñez, S. Damas, O. Córdón
TITLE: Modeling facial soft tissue thickness for automatic skull-face overlay
JOURNAL/BOOK TITLE: IEEE Transactions on Forensics and Security *KEY:* A
VOLUME: 10 (10) *FIRST AND LAST PAGE:* 2057-2070
DATE OF PUBLICATION ():* 2015
*JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**):* YES NO *IMPACT FACTOR (**):* 2.441
TOTAL NUMBER OF TIMES CITED: 8

AUTHORS (in order of authorship): P. Mesejo, O. Ibáñez, E. Fernandez, A. Pazos, A. B. Porto-Pazos,
TITLE: Artificial astrocytes improve neural network performance
JOURNAL/BOOK TITLE: International Journal of Neural Systems *KEY:* A
VOLUME: 25 (4) *FIRST AND LAST PAGE:* -
DATE OF PUBLICATION ():* 2015
*JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**):* YES NO *IMPACT FACTOR (**):* 6.085
TOTAL NUMBER OF TIMES CITED: 6

AUTHORS (in order of authorship): M. I. Huete, O. Ibáñez, C. Wilkinson, T. Kahana
TITLE: Past, present, and future of CFS: literature and international surveys
JOURNAL/BOOK TITLE: Legal Medicine *KEY:* A
VOLUME: 17 (4) *FIRST AND LAST PAGE:* 267-278
DATE OF PUBLICATION ():* 2015
*JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**):* YES NO *IMPACT FACTOR (**):* 1.442
TOTAL NUMBER OF TIMES CITED: 14

AUTHORS (in order of authorship): Ibáñez O, Vicente R, Navega DS, Wilkinson C, Jayaprakash PT, Huete MI, Briers T, Hardiman R, Navarro F, Ruiz E, Cavalli F, Imaizumi K, Jankauskas R, Veselovskaya E, Abramov A, Lestón P, Molinero F, Cardoso J, Çağdır AS, Humpire D, Nakanishi Y, Zeuner A, Ross AH, Gaudio D, Damas S

TITLE: Study on the performance of different craniofacial superimposition approaches (I)

JOURNAL/BOOK TITLE: Forensic Science International *KEY:* A

VOLUME: 257

FIRST AND LAST PAGE: 496-503

DATE OF PUBLICATION ():* 2015

*JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**):* YES NO

*IMPACT FACTOR (**):* 1.950

TOTAL NUMBER OF TIMES CITED: 4

AUTHORS (in order of authorship): Damas S, Wilkinson C, Kahana T, Veselovskaya E, Abramov A, Jankauskas R, Jayaprakash PT, Ruiz E, Navarro F, Huete MI, Cunha E, Cavalli F, Clement J, Lestón P, Molinero F, Briers T, Viegas F, Imaizumi K, Humpire D, Ibáñez O

TITLE: Study on the performance of different craniofacial superimposition approaches (II): best practices proposal

JOURNAL/BOOK TITLE: Forensic Science International *KEY:* A

VOLUME: 2

FIRST AND LAST PAGE: 504-8

DATE OF PUBLICATION ():* 2015

*JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**):* YES NO

*IMPACT FACTOR (**):* 1.950

TOTAL NUMBER OF TIMES CITED: 7

AUTHORS (in order of authorship): O. Ibáñez, F. Cavalli, B. R. Campomanes-Alvarez, C. Campomanes-Álvarez, A. Valsecchi, M. I. Huete

TITLE: Ground truth data generation for skull-face overlay

JOURNAL/BOOK TITLE: International Journal of Legal Medicine *KEY:* A

VOLUME: 129 (3)

FIRST AND LAST PAGE: 569-581

DATE OF PUBLICATION ():* 2015

*JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**):* YES NO

*IMPACT FACTOR (**):* 2.862

TOTAL NUMBER OF TIMES CITED: 10

AUTHORS (in order of authorship): B. R. Campomanes-Álvarez, O. Ibáñez, F. Navarro, I. Alemán, O. Cordon, S. Damas

TITLE: Dispersion assessment in the location of facial landmarks on photographs

JOURNAL/BOOK TITLE: International Journal of Legal Medicine *KEY:* A

VOLUME: 129

FIRST AND LAST PAGE: 227-236

DATE OF PUBLICATION ():* 2015

*JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**):* YES NO

*IMPACT FACTOR (**):* 2.862

TOTAL NUMBER OF TIMES CITED: 16

AUTHORS (in order of authorship): B. R. Campomanes-Álvarez, O. Ibáñez, F. Navarro, I. Alemán, M. Botella, S. Damas, O. Cordon

TITLE: Computer Vision and Soft Computing for Automatic Skull-Face Overlay in Craniofacial Superimposition

JOURNAL/BOOK TITLE: Forensic Science International KEY: A
VOLUME: 245 FIRST AND LAST PAGE: 77-86
DATE OF PUBLICATION (*): 2014
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): 2.140
TOTAL NUMBER OF TIMES CITED: 13

AUTHORS (in order of authorship): N. Bova, O. Ibáñez, O. Cordon
TITLE: Extended Topological Active Nets
JOURNAL/BOOK TITLE: Image and Vision Computing KEY: A
VOLUME: 31(12) FIRST AND LAST PAGE: 905-920
DATE OF PUBLICATION (*): 2013
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): 1.581
TOTAL NUMBER OF TIMES CITED: 4

AUTHORS (in order of authorship): N. Bova, O. Ibáñez, O. Cordon
TITLE: Image segmentation using extended topological active nets optimized by scatter search
JOURNAL/BOOK TITLE: IEEE Computational Intelligence Magazine KEY: A
VOLUME: 8 (1) FIRST AND LAST PAGE: 16-32
DATE OF PUBLICATION (*): 2013
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): 2.706
TOTAL NUMBER OF TIMES CITED: 13

AUTHORS (in order of authorship): O. Ibáñez, O. Cordon, S. Damas
TITLE: A cooperative coevolutionary approach dealing with the skull-face overlay uncertainty in forensic
identification by craniofacial superimposition
JOURNAL/BOOK TITLE: Soft Computing KEY: A
VOLUME: 16 (5) FIRST AND LAST PAGE: 797-808
DATE OF PUBLICATION (*): 2012
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): 1.124
TOTAL NUMBER OF TIMES CITED: 21

AUTHORS (in order of authorship): O. Ibáñez, O. Cordon, S. Damas, J. Santamaría
TITLE: An advanced scatter search design for skull-face overlay in craniofacial superimposition
JOURNAL/BOOK TITLE: Expert Systems with Applications KEY: A
VOLUME: 39 FIRST AND LAST PAGE: 1459-1473
DATE OF PUBLICATION (*): 2012
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): 1.854
TOTAL NUMBER OF TIMES CITED: 19

AUTHORS (in order of authorship): S. Damas, O. Cordon, O. Ibáñez, J. Santamaría, I. Alemán, M.C.
Botella, F. Navarro
TITLE: Forensic identification by computer-aided craniofacial superimposition: a survey
JOURNAL/BOOK TITLE: ACM Computing Surveys KEY: A

VOLUME: 43 (4) FIRST AND LAST PAGE: -
DATE OF PUBLICATION (*):2011
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): 4.529
TOTAL NUMBER OF TIMES CITED: 35

AUTHORS (in order of authorship): O. Ibáñez, O. Cordón, S. Damas, J. Santamaría
TITLE: Modeling the skull-face overlay uncertainty using fuzzy sets
JOURNAL/BOOK TITLE: IEEE Transactions on Fuzzy Systems KEY: A
VOLUME: 19(5) FIRST AND LAST PAGE: 946-959
DATE OF PUBLICATION (*):2011
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): 4.260
TOTAL NUMBER OF TIMES CITED: 33

AUTHORS (in order of authorship): A. B. Porto-Pazos, N. Veiguela, P. Mesejo, M. Navarrete, A.
Alvarellos, O. Ibáñez, A. Pazos, A. Araque
TITLE: Artificial astrocytes improve neural network performance
JOURNAL/BOOK TITLE: PLoS ONE KEY: A
VOLUME: 6 (4) FIRST AND LAST PAGE: 1-8
DATE OF PUBLICATION (*):2011
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): 4.092
TOTAL NUMBER OF TIMES CITED: 37

AUTHORS (in order of authorship): O. Ibáñez, L.Ballerini, O. Cordón, S. Damas, J. Santamaría
TITLE: An Experimental Study on the Applicability of Evolutionary Algorithms to Craniofacial
Superimposition
JOURNAL/BOOK TITLE: Information Sciences KEY: A
VOLUME: 179 FIRST AND LAST PAGE: 3998 - 4028
DATE OF PUBLICATION (*):2009-10-05
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): 3.291
TOTAL NUMBER OF TIMES CITED: 48

AUTHORS (in order of authorship): O. Ibáñez, N. barreira, J. Santos, M. G. Penedo
TITLE: Genetic Approaches for Topological Active Nets Optimization
JOURNAL/BOOK TITLE: Pattern Recognition KEY: A
VOLUME: 42 FIRST AND LAST PAGE: 907 - 917
DATE OF PUBLICATION (*): 2009-01-21
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): 2.554
TOTAL NUMBER OF TIMES CITED: 27

AUTHORS (in order of authorship): G. Iglesias, O. Ibáñez, A. Castro, J. Rabuñal, J. Dorado
TITLE: Computer vision applied to wave flume measurements
JOURNAL/BOOK TITLE: Ocean Engineering KEY: A
VOLUME: 36 FIRST AND LAST PAGE: 1073 - 1079
DATE OF PUBLICATION (*):2009-09-09

JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**): YES NO IMPACT FACTOR (**): 0.966
TOTAL NUMBER OF TIMES CITED: 9

AUTHORS (in order of authorship): B.R. Campomanes-Álvarez, O. Cordon, S. Damas, O. Ibáñez.
TITLE: Computer-Based Automatic Craniofacial Superimposition in Forensic Identification Using Soft Computing
JOURNAL/BOOK TITLE: Journal of Ambient Intelligence and Humanized Computing KEY: A
VOLUME: 5 (5), DOI: 10.1007/s12652-012-0168-1 FIRST AND LAST PAGE: 683-697
DATE OF PUBLICATION (*): 2014
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**): YES NO IMPACT FACTOR (**): -
TOTAL NUMBER OF TIMES CITED: 1

AUTHORS (in order of authorship): O. Cordon, S. Damas, R. del Coso, O. Ibáñez, C. Peña
TITLE: A Survey on the Research Lines of the Applications of Fuzzy Logic and Evolutionary Algorithms
Research Unit at the European Center for Soft computing
Computing Research
JOURNAL/BOOK TITLE: Mathware & Soft Computing KEY: A
VOLUME: 17 FIRST AND LAST PAGE: 53-83
DATE OF PUBLICATION (*): 2010
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**): YES NO IMPACT FACTOR (**): -
TOTAL NUMBER OF TIMES CITED: -

AUTHORS (in order of authorship): O. Ibáñez, O. Cordon, S. Damas, J. Santamaria
TITLE: Multimodal Genetic Algorithms for Craniofacial Superimposition
JOURNAL/BOOK TITLE: Nature-Inspired Informatics for Intelligence Applications and Knowledge
Discovery: Implications in Business, Science, and Engineering KEY: CB
VOLUME: FIRST AND LAST PAGE:
DATE OF PUBLICATION (*): 2009-07-31
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**): YES NO IMPACT FACTOR (**): -
TOTAL NUMBER OF TIMES CITED: -

AUTHORS (in order of authorship): O. Cordon, S. Damas, R. del Coso, O. Ibáñez, C. Peña
TITLE: Soft Computing Developments of the Applications of Fuzzy Logic and Evolutionary Algorithms
Research
JOURNAL/BOOK TITLE: eNewsletter: Systems, Man and Cybernetics Society KEY: A
VOLUME: 29 FIRST AND LAST PAGE:
DATE OF PUBLICATION (*): 2009-12-01
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR OF PUBLICATION (**): YES NO IMPACT FACTOR (**): -
TOTAL NUMBER OF TIMES CITED: -

AUTHORS (in order of authorship): O. Ibáñez, J. R. Rabuñal
TITLE: Computer Vision For Wave Flume Experiment
JOURNAL/BOOK TITLE: Encyclopaedia of Artificial Intelligence KEY: CB

VOLUME: FIRST AND LAST PAGE: 759 - 766
DATE OF PUBLICATION (*):2008-07-01
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): -
TOTAL NUMBER OF TIMES CITED: -

AUTHORS (in order of authorship): O. Ibáñez, A. Castro
TITLE: Genetic Fuzzy Systems Applied to Ports and Coasts Engineering
JOURNAL/BOOK TITLE: Encyclopaedia of Artificial Intelligence KEY: CB
VOLUME: FIRST AND LAST PAGE: 383 - 389
DATE OF PUBLICATION (*): 2008-07-01
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): -
TOTAL NUMBER OF TIMES CITED: -

AUTHORS (in order of authorship): E. Fernández, J. R. Rabuñal, O. Ibáñez
TITLE: Tecnologías de la Información y las Comunicaciones en la Ingeniería Civil
JOURNAL/BOOK TITLE: Colección de Informática KEY: E
VOLUME: 17 FIRST AND LAST PAGE:
DATE OF PUBLICATION (*):2008-12-15
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): -
TOTAL NUMBER OF TIMES CITED: -

AUTHORS (in order of authorship): J. R. Rabuñal, O. Ibáñez, M. D. García
TITLE: Tecnologías de la Información y las Comunicaciones en la Ingeniería Civil
JOURNAL/BOOK TITLE: Tecnologías de la Información y las Comunicaciones en Ingeniería Civil KEY:
CB
VOLUME: 17 FIRST AND LAST PAGE: 15 - 40
DATE OF PUBLICATION (*): 2008-12-15
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): -
TOTAL NUMBER OF TIMES CITED: -

AUTHORS (in order of authorship): A. Castro, G. Iglesias, J. A. Fraguela, R. Carballo, O. Ibáñez
TITLE: T.I.C. en el Diseño de Barreras Flotantes de Contención de Hidrocarburos
JOURNAL/BOOK TITLE: Tecnologías de la Información y las Comunicaciones en Ingeniería Civil KEY:
CB
VOLUME: 17 FIRST AND LAST PAGE: 243 - 264
DATE OF PUBLICATION (*):2008-12-15
JOURNAL WITHIN THE 25% HIGHER IMPACT FACTOR IN ITS KNOWLEDGE AREA AT THE YEAR
OF PUBLICATION (**): YES NO IMPACT FACTOR (**): -
TOTAL NUMBER OF TIMES CITED: -

**PARTICIPATION IN RESEARCH CONTRACTS OF SPECIAL RELEVANCE WITH COMPANIES
AND/OR PRIVATE OR PUBLIC FUNDING BODIES**

CONTRACT TITLE: GEODISOPT v1.0

FINANCIAL ENTITIES: Atarfil S. L.

LENGHT FROM: 2015-09-15

TO: 2016-06-14

PRINCIPAL INVESTIGATOR: Oscar Cordón García y Manuel Lozano Márquez

CONTRACT TITLE: Contrato para actividades de asesoramiento y asistencia técnica entre la Fundación Universidad de la Coruña y NANOGAP, SUB-NM-POWDE,R S.A.

FINANCIAL ENTITIES: NANOGAP

LENGHT FROM: 2008-01-01

TO: 2008-03-31

PRINCIPAL INVESTIGATOR: Julián Dorado de la Calle

TECHNOLOGY TRANSFERENCE ACTIVITIES

Specify activity performed, time dedication and participation mode, territorial scope, validity and budget; and any other relevant contribution regarding: Results of technology transference activities, introduction of product improvements on the market or processes in progress. Participation in generation of spin-off companies based on technological innovations, development of competences / technological skills; start-up of new techniques or procedures, large installation or complex equipment maintenance, execution of technological services: homologation, calibration, analysis or others.

As a result of the research developed during my PhD and previous research projects, the European Centre for Soft Computing in collaboration with the University of Granada has developed a commercial software called Face2Skull. It is based on the patent "Forensic Identification System Using Craniofacial Superimposition Based on Soft Computing", co-authored by myself. Since 2014 it is commercialized in Mexico by ASPELAB (2 licenses with an approximate value of 200.000\$ were already sold) and it is expected to be commercialized in South Africa by Forensic Worx and Peru during 2015. In a near future, it also planned to be commercialized in other countries of South America, USA, Japan and Europe.

I am co-funder partner of PANACEA Cooperative Research, www.panacea-coop.com, a star-up focused in developing software solutions based on Artificial Intelligence in the field of Biomedical Imaging

PATENTS AND UTILITY MODELS

INVENTORS (in order of authorship): O. Cordon, S. Damas, O. Ibanez, J. Santamaría, I. Alemán, M. Botella

TITLE: Forensic Identification System Using Craniofacial Superimposition Based on Soft Computing

APPLICATION FORM No: P200901732/3 (national), MX/a/2012/000942 (Mexico) and PCT/ES2010/00350 (international)

PRIORITY COUNTRY: Europe and Mexico

PRIORITY DATE: 2009-07-30

HOLDER ENTITY: European Centre for Soft Computing and University of Granada

OTHER COUNTRIES WHICH THE PATENT HAS BEEN EXTENDED TO: Mexico, USA

COMPANIES THAT ARE LICENSING IT: ASPELAB, S.A. de C.V.

INVENTORS (in order of authorship): J. Rabuñal, D. Rivero, J. Dorado, O. Ibanez, G. Iglesias, A. Castro, A. Pazos, J. Pereira, A. Porto, F. J. Novoa

TITLE: Método y Sistema de Visión Artificial para medida de los movimientos de cuerpos flotantes en un líquido y de la superficie libre de éste

APPLICATION FORM No: P200801412

PRIORITY COUNTRY: Spain

PRIORITY DATE: 2008-05-01 (Awarding date: 24-05-2011)

HOLDER ENTITY: University of La Coruña

OTHER COUNTRIES WHICH THE PATENT HAS BEEN EXTENDED TO: -

COMPANIES THAT ARE LICENSING IT:

INVENTORS (in order of authorship): D. Rivero, J. Dorado, J. Rabuñal, A. Pazos, J. Pereira, A. Porto, N. Pedreira, O. Ibanez, F. J. Novoa

TITLE: Librería de PG de Propósito General para la Resolución de Problemas

APPLICATION FORM No: C-426-2007

PRIORITY COUNTRY: Spain

PRIORITY DATE: 2007-09-01 (awarding data 2007-10-23 and number 03/2007/1781)

HOLDER ENTITY: University of La Coruña

OTHER COUNTRIES WHICH THE PATENT HAS BEEN EXTENDED TO:

COMPANIES THAT ARE LICENSING IT:

STAYS IN INTERNATIONALLY RECOGNIZED CENTRES

KEY: D=Ph.D student, P=postdoctoral. G= guest, S=staff, O=others (specify)

CENTRE: University of Dundee- Centre for Human Anatomy and Identification
PLACE: Dundee COUNTRY: UK YEAR: 2014 LENGHT: 1 month1
TOPIC: Soft Computing in Craniofacial Superimposition KEY: P

CENTRE: University of Granada
PLACE: Granada COUNTRY: Spain YEAR: 2013 LENGHT: 1 month
TOPIC: Soft Computing in Craniofacial Superimposition KEY: P

CENTRE: University of California- The Berkeley Initiative in Soft Computing
PLACE: Berkeley COUNTRY: USA YEAR: 2011-2012 LENGHT: 3 months
TOPIC: Soft Computing in Craniofacial Superimposition KEY: P

CENTRE: CNRS- Cognitive Neuroscience and Brain Imaging
PLACE: Paris COUNTRY: France YEAR: 2011 LENGHT: 1 month
TOPIC: Soft Computing in Medical Imaging KEY: P

CENTRE: European Centre for Soft Computing-Applications of Fuzzy logic and evolutionary algorithms
PLACE: Mieres COUNTRY: Spain YEAR: 2008-2013 LENGHT: 55 months
TOPIC: Applications of Soft Computing in Real World Problems KEY: S

CENTRE: University of La Coruña- Communication and Information Technologies Dept
PLACE: La Coruña COUNTRY: Spain YEAR: 2006-2008 LENGHT: 22 months
TOPIC: Applications of Computer Vision and Soft Computing in Real World Problems KEY: D

PRESENTATIONS IN CONGRESSES

AUTHORS: C. Campomanes-Álvarez, O. Ibáñez, O. Cordon

TITLE: Modeling the consistency between the bony and facial chin outline in craniofacial superimposition

TYPE OF PRESENTATION: Oral

CONGRESS: 16th World Congress of the International Fuzzy Systems Association (IFSA)

PUBLICATION: Proceedings, 1612-1619

MEETING PLACE: Gijón, Spain

YEAR: 2015-07-30

AUTHORS: B.R. Campomanes-Álvarez, C. Campomanes-Álvarez, O. Ibáñez, O. Cordon, S. Damas

TITLE: Modeling the skull-face overlay uncertainty using soft computing and computer vision

TYPE OF PRESENTATION: Oral

CONGRESS: International Conference on Craneofacial Superimposition (ICCFs2014)

PUBLICATION: Proceedings

MEETING PLACE: Dundee, UK

YEAR: 2014-06-30

AUTHORS: A. Valsecchi, B.R. Campomanes-Álvarez, C. Campomanes-Álvarez, M. Huete, F. Cavalli, O. Ibáñez

TITLE: Creating a ground-truth craneofacial superimposition database

TYPE OF PRESENTATION: Oral

CONGRESS: International Conference on Craneofacial Superimposition (ICCFs2014)

PUBLICATION: Proceedings

MEETING PLACE: Dundee, UK

YEAR: 2014-06-30

AUTHORS: C. Campomanes-Álvarez, O. Ibáñez, O. Cordon

TITLE: Fuzzy Spatial Reasoning applied to Craneofacial Superimposition

TYPE OF PRESENTATION: Oral

CONGRESS: International Conference on Craneofacial Superimposition (ICCFs2014)

PUBLICATION: Proceedings

MEETING PLACE: Dundee, UK

YEAR: 2014-06-30

AUTHORS: N. Bova, O. Ibáñez, O. Cordon

TITLE: Local and Global optimization of Extended Topological Active Nets for Image Segmentation

TYPE OF PRESENTATION: Oral

CONGRESS: International Conference on Medical Imaging using bio-inspired and soft computing (MIBISOC'2013)

PUBLICATION: Proceedings, 123-130

MEETING PLACE: Brussels, Belgium

YEAR: 2013-05-15

AUTHORS: O. Cordón, S. Damas, O. Ibáñez, I. Alemán, M. Botella, F. Navarro
TITLE: Automatic craniofacial superimposition based on soft computing and computer vision
TYPE OF PRESENTATION: *Oral*
CONGRESS: European Academy of Forensic Sciences (EAFS'2012)
PUBLICATION: Proceedings, 227-227
MEETING PLACE: The Hague, The Netherlands
YEAR: 2012-08-20

AUTHORS: S. Damas, O. Cordón, O. Ibáñez, C. Peña, R. Del Coso
TITLE: New methodologies and protocols of forensic identification by craniofacial superimposition
TYPE OF PRESENTATION: *Poster*
CONGRESS: European Academy of Forensic Sciences (EAFS'2012)
PUBLICATION: Proceedings, 359-359
MEETING PLACE: The Hague, The Netherlands
YEAR: 2012-08-20

AUTHORS: N. Bova, O. Ibáñez, O. Cordón
TITLE: Optimización de Mallas Topológicas Activas: una aproximación basada en Scatter Search
TYPE OF PRESENTATION: *Oral*
CONGRESS: VIII Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB'2012)
PUBLICATION: Proceedings, 503-510
MEETING PLACE: Albacete, Spain
YEAR: 2012-02-08

AUTHORS: F. Romero-Porta, P. Mesejo, O. Ibáñez, A. Porto-Pazos
TITLE: Optimización mediante Computación Evolutiva de la interacción Neurona-Astrocyto en Redes Neurogliales Artificiales
TYPE OF PRESENTATION: *Oral*
CONGRESS: VIII Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB'2012)
PUBLICATION: Proceedings, 651-658
MEETING PLACE: Albacete, Spain
YEAR: 2012-02-08

AUTHORS: J. Santamaria, O. Cordón, S. Damas, O. Ibáñez
TITLE: Registrado 3D-2D para el solapamiento cráneo-cara en superposición craniofacial mediante CMA-ES
TYPE OF PRESENTATION: *Oral*
CONGRESS: III Simposio de Inteligencia Computacional (SICO2010)
PUBLICATION: Proceedings III Simposio de Inteligencia Computacional
MEETING PLACE: Valencia, Spain
YEAR: 2010-09-07

AUTHORS: O. Ibáñez, O. Cordón, S. Damas, J. Santamaria
TITLE: Uso de marcadores difusos para solucionar el problema de la coplanaridad en la calibración de la cámara en 3D. Aplicación en identificación forense por superposición craneofacial
TYPE OF PRESENTATION: *Oral*

CONGRESS: XV Congreso español sobre tecnologías y lógica fuzzy (ESTYLF 2010)
PUBLICATION: Proceedings XV Congreso español sobre tecnologías y lógica fuzzy
MEETING PLACE: Huelva, Spain
YEAR: 2010-02-03

AUTHORS: J. Santamaría, O. Cordón, S. Damas, O. Ibáñez
TITLE: 3D-2D Image Registration in Medical Forensic Identification using Covariance Matrix Adaptation Evolution Strategy
TYPE OF PRESENTATION: *Oral*
CONGRESS: 9th International Conference on Information Technology and Applications in Biomedicine (ITAB'09)
PUBLICATION: Proceedings of the 9th International Conference on Information Technology and Applications in Biomedicine (ITAB'09)
MEETING PLACE: Larnaca, Cyprus
YEAR: 2009-11-05

AUTHORS: J. Santamaría, O. Cordón, S. Damas, O. Ibáñez
TITLE: Tackling the coplanarity problem in 3D camera calibration by means of fuzzy landmarks: a performance study in forensic craniofacial superimposition
TYPE OF PRESENTATION: *Poster*
CONGRESS: IEEE 12th International Conference on Computer Vision
PUBLICATION: IEEE 12th International Conference on Computer Vision. Proceedings del ICCV'09
MEETING PLACE: Kyoto, Japan
YEAR: 2009-09-27

AUTHORS: O. Ibáñez, O. Cordón, S. Damas, S. Guadarrama, J. Santamaría
TITLE: A new approach to fuzzy location of cephalometric landmarks in craniofacial superimposition
TYPE OF PRESENTATION: *Lecture*
CONGRESS: IFSA-EUSFLAT 2009
PUBLICATION: Proceedings of IFSA-EUSFLAT Conference. Pags. 195-201.
MEETING PLACE: Lisboa, Portugal
YEAR: 2009-07-20

AUTHORS: O. Ibáñez, O. Cordón, S. Damas, L. Magdalena
TITLE: A review on the application of hybrid artificial intelligence systems to optimization problems in operations management
TYPE OF PRESENTATION: *Oral*
CONGRESS: International Work-Conference on Artificial Neural Networks (IWANN2009)
PUBLICATION: Lecture Notes Artificial Intelligence
MEETING PLACE: Salamanca, Spain
YEAR: 2009-06-10

AUTHORS: O. Ibáñez, O. Cordón, S. Damas, J. Santamaría
TITLE: Craniofacial Superimposition Based on Genetic Algorithm and Fuzzy Location of Cefalometric Landmarks
TYPE OF PRESENTATION: *Oral*
CONGRESS: 3rd International Workshop on Hybrid Artificial Intelligence Systems, HAIS 2008
PUBLICATION: LNCS

MEETING PLACE: Burgos, Spain
YEAR: 2008-09-24

AUTHORS: O. Ibáñez, O. Cordón, S. Damas, J. Santamaría
TITLE: Superposición Craneofacial Basada en Algoritmos Genéticos y Localización Difusa de Puntos de Referencia Cefalométricos
TYPE OF PRESENTATION: *Oral*
CONGRESS: XIV Congreso Español sobre Tecnologías y Lógica Fuzzy, ESTYLF 2008
PUBLICATION: Actas del XIV Congreso Español sobre Tecnologías y Lógica Fuzzy
MEETING PLACE: Mieres-Langreo, Spain
YEAR: 2008-09-17

AUTHORS: N. Barreira, M. G. Penedo, O. Ibáñez, J. Santos
TITLE: Automatic Topological Active Net Division in a Genetic-Greedy Hybrid Approach
TYPE OF PRESENTATION: *Oral*
CONGRESS: Third Iberian Conference, IbPRIA 2007
PUBLICATION: LNCS, Volume 4478/2007, 226-233. Proceedings, Part II, 226-233
MEETING PLACE: Girona, Spain
YEAR: 2007-07-06

AUTHORS: O. Ibáñez, G. Iglesias, J. Rabuñal, A. Castro, J. Dorado, R. Carballo
TITLE: Sistema de Visión Artificial para ensayos de modelos físicos en ingeniería marítima
TYPE OF PRESENTATION: *Oral*
CONGRESS: IX Jornadas de Puertos y Costas
PUBLICATION: *Proceedings*
MEETING PLACE: San Sebastián, Spain
YEAR: 2007-05-29

AUTHORS: J. Rabuñal, A. Castro, O. Ibáñez, G. Iglesias, F. Taveira-Pinto, R. Carballo
TITLE: Estimación del coeficiente de reflexión en diques sumergidos mediante un sistema genético de lógica difusa
TYPE OF PRESENTATION: *Oral*
CONGRESS: IX Jornadas de Puertos y Costas
PUBLICATION: *Proceedings*
MEETING PLACE: San Sebastián, Spain
YEAR: 2007-05-29

AUTHORS: O. Ibáñez, N. Barreira, J. Santos, M. G. Penedo
TITLE: Genetic-Greedy Hybrid Approach for Topological Active Nets Optimization
TYPE OF PRESENTATION: *Oral*
CONGRESS: 8th International Conference, ICANNGA 2007
PUBLICATION: LNCS. Proceedings, Part I
MEETING PLACE: *Warsaw, Poland*
YEAR: 2007-04-11

AUTHORS: O. Ibáñez, G. Iglesias, A. Castro, J. Rabuñal, J. Dorado, R. Carballo, F. Taveira-Pinto
TITLE: An Artificial Vision System for boom performance analysis in a wave flume

TYPE OF PRESENTATION: Oral

CONGRESS: International Conference on Coastal Conservation and Management in the Atlantic and Mediterranean, ICCCM 07

PUBLICATION: -

MEETING PLACE: Hammamet, Túnez

YEAR: 2007-03-22

AUTHORS: O. Ibáñez, A. Castro, G. Iglesias, F. Taveira-Pinto, J. Rabuñal, J. Dorado, R. Carballo

TITLE: Wave reflection analysis at submerged breakwaters with a genetic fuzzy system

TYPE OF PRESENTATION: Oral

CONGRESS: International Conference on Coastal Conservation and Management in the Atlantic and Mediterranean, ICCCM 07

PUBLICATION: -

MEETING PLACE: Hammamet, Túnez

YEAR: 2007-03-22

AUTHORS: O. Ibáñez, J. Rabuñal, A. Castro, J. Dorado, G. Iglesias, A. Pazos

TITLE: Artificial Vision System for measuring waves level in a wave tank with a real time approach

TYPE OF PRESENTATION: Oral

CONGRESS: The 6th WSEAS International Conference on applied computer science (ACS'06)

PUBLICATION: Proceedings of the WSEAS International Conferences

MEETING PLACE: Tenerife, Spain

YEAR: 2006-12-16

AUTHORS: O. Ibáñez, N. barreira, J. Santos, M. G. Penedo

TITLE: Topological Active Nets Optimization Using Genetic Algorithms

TYPE OF PRESENTATION: Oral Presentation

CONGRESS: International Conference on Image Analysis and Recognition (ICIAR, 2006)

PUBLICATION: LNCS. Proceedings, Part I

MEETING PLACE: Póvoa de Varzim, Portugal

YEAR: 2006-09-18

THESIS SUPERVISED

TITLE: Cranio-facial morphometrics and morphoanalysis using artificial intelligence techniques

Ph. D. STUDENT: Rubén Martos

UNIVERSITY: University of Granada

FACULTY/SCHOOL: Medicine

YEAR: In progress

MARK: -

TITLE: Soft Computing y Visión por Ordenador para la Identificación Forense mediante Comparación de Radiografías

Ph. D. STUDENT: Oscar Gómez López

UNIVERSITY: University of Granada

FACULTY/SCHOOL: Computer Science

YEAR: In progress

MARK: -

TITLE: Automation of the assessment of craniofacial superimposition using soft computing and computer vision

Ph. D. STUDENT: C. Campomanes Alvarez

UNIVERSITY: University of Granada

FACULTY/SCHOOL: Computer Science

YEAR: In progress

MARK: -

TITLE: New Developments in Craniofacial Superimposition Based on Soft Computing and Computer Vision

Ph. D. STUDENT: B. Rosario Campomanes Alvarez

UNIVERSITY: University of Oviedo

FACULTY/SCHOOL: Computer Science

YEAR: 2015

MARK: Summa cum laude, second Frances Allen Award (CAEPIA)

TITLE: Soft Computing and Machine Learning for Image Segmentation by Deformable Models

Ph. D. STUDENT: Nicola Bova

UNIVERSITY: University of Oviedo

FACULTY/SCHOOL: Computer Science

YEAR: 2013

MARK: Summa cum laude

OTHER ACHIEVEMENTS

- Awards:
 - CAEPIA Best Ph.D. Thesis Award “Frances Allen”, second position (2016). Co-supervisor of the PhD
 - IEEE CIS Outstanding CIM Paper Award (2015). Co-author
 - “Juan de la Cierva-incorporación” Early Career Award. Considered one of the top 7 most promising young researchers in Computer Science by the Spanish Department of Science and Innovation (2015).
 - “Juan de la Cierva” Early Career Award. Considered one of the top 7 most promising young researchers in Computer Science by the Spanish Department of Science and Innovation (2012).
 - IFSA Award for Outstanding Applications of Fuzzy Technology (2011).
 - EUSFLAT Best Ph.D. Thesis Award (2011). Author of the PhD
- Invited talks:
 - “Método automático para identificación forense basado en técnicas de visión por ordenador e Inteligencia Artificial”. The Researchers Night, 30 September 16, Granada (Spain).
 - “Framework para la segmentación automática de imagen médica basado en métodos de Aprendizaje Automático y Level Sets”. III Workshop Internacional en Imagen Médica y Nuevas Tecnologías. 19-21 June 2013. La Coruña (Spain)
 - “Registrado de Imagen Médica mediante técnicas de Soft Computing”. II Workshop Internacional en Imagen Médica y Nuevas Tecnologías. 13-14 June 2012. La Coruña (Spain)
 - IEEE CIS Outstanding CIM Paper Award (2015). Co-author
- “Juan de la Cierva-incorporación” Early Career Award. Considered one of the top 7 most
- Organizing committee:
 - XIV Congreso español sobre tecnologías y lógica fuzzy (ESTYLF). 2008.
 - Fourth International Workshop on Genetic and Evolutionary Fuzzy Systems (GEFS). 2010.
 - First International Summer Course in Soft Computing and Bio-Inspired Computing for Medical Imaging. 2011
 - Second International Summer Course in Soft Computing and Bio-Inspired Computing for Medical Imaging. 2012
 - International Conference on Medical Imaging using Bio-inspired and soft computing (MIBISOC). 2013
 - International Conference on Craniofacial Superimposition (ICCFs). 2014
- Editorial advisory board:
 - Soft Computing Methods for Practical Environment Solutions. IGI Global. 2010.
- Programme committee:
 - 5th International Conference on Hybrid Artificial Intelligence Systems. 2010.
 - 6th International Conference on Hybrid Artificial Intelligence Systems. 2011.
 - IEEE CIMI 2011.
 - 7th International Conference on Hybrid Artificial Intelligence Systems. 2012.
- Journal reviewer:
 - IEEE Computational Intelligence Magazine (2016), Applied Soft Computing (2016), Evolutionary Intelligence (2016), Soft Computing (2016), IEEE Transactions on Evolutionary Computation (2011, 2012, 2016), Information Fusion (2016), Journal of Computational Methods in Sciences and Engineering (2015), Computational and Mathematical Methods in Medicine (2014), Materials (2013), Current Topics in Medicinal Chemistry (2013), Progress in Artificial Intelligence (2012), Current Bioinformatics (2010), Information Sciences (2009), International Journal of Computational Intelligence

Systems (2011, 2012), Current Bioinformatics (2010), Mathware & Soft Computing (2008-2009), Estuarine Coastal and Shelf Science (2008).

- Conference reviewer:
 - CEDI (2016), EvolASP (2015), ESTYLF (2008, 2014), HIS08, MAEB09, ICCCI09, IFSA09, ISDA09, CIMI09, NABIC09, ACIIDS'10, IEEE-CEC 2010-11, FUZZ-IEEE (2010, 2011, 2012, 2014), GEFS'10, HAIS10, ICSI2010, IWCF (2008, 2010, 2012), HAIS (2010, 2011, 2012), SSCI (2011, 2013), IEEE-CEC 2011, MIBISOC 2013, ICCFS (2014).
- Master thesis advisor:
 - Optimización y Análisis de Rendimiento de Sistemas Conexionistas NeuroGliales". Pablo Mesero Santiago. Distinction mark. 2009.
- Bachelor thesis advisor:
 - Técnicas de Preprocesado y Extracción de Características de Imágenes para Clasificación. Mauricio A. Rodríguez García. Second-class mark. 2009.
 - Técnicas de Preprocesado y Extracción de Características de Imágenes para Clasificación. Lorena Rodríguez Álvarez. Second-class mark. 2010.
- Member of Artificial Neural Network and Adaptive Systems Lab (University of La Coruña, Spain) since June 2006.
- IEEE and EUSFLAT member since 2008. IEE CIS since 2010
- Tutor of two online courses (European MIBISOC project). July 2010
- Research courses/seminars:
 - New methodologies and protocols of forensic identification by craniofacial Workshop. MEPROCS FP7 Project – University of Dundee. 25 hours (July 2014)
 - Workshop Internacional en Imagen Médica. University of La Coruña. 21 hours (March 2011).
 - International Symposium and Open Workshop on Fuzziness, Philosophy and Medicine (March 2011).
 - International Computer Vision Summer School Machine Learning for Computer Vision. Cambridge and Catania Universities. 30 hours (July 2009).
 - 2nd International Summer Course Soft Computing: Intelligent Data Analysis. European Centre for Soft Computing. 30 hours (July 2008).
 - II Jornadas Internacionales de Divulgación de la Actividad Investigadora: Actividades de Investigación en Biotic. 30 hours. (September 2007).
 - Tecnologías de la información y de las comunicaciones en la Ingeniería Civil. 20 hours. Fundación Alfredo Brañas. (July 2007).
 - Foro i-math Matemáticas e Industria Biomédica. 7 hours. Universidad de la Coruña (Abril 2007).
 - Formación de usuarios en las TIC's. Dreamweaver. Educadores y Asesores Turísticos. 20 hours (Marzo 2007).
 - Tecnologías de la información y de las comunicaciones en la autonomía personal, dependencia y accesibilidad. Fundación Alfredo Brañas. 22 hours. (July 2006).
 - Jornadas Internacionales de Divulgación de la Actividad Investigadora: Actividades de Investigación en Biotic. 30 hours (August 2006).
 - III Reunión Anual del Foro Técnico en Informática de la Salud. 12 hours (October 2006).
 - Delphi. Programación orientada a objetos. Entorno visual. 20 hours. Universidad de la Coruña (Enero 2006).
 - Introducción a la edición de texto con LATEX. 20 hours. Universidad de la Coruña (Noviembre 2005).

- Matlab. Programación, gráficos y métodos numéricos. 20 hours. Universidad de la Coruña (Noviembre 2005).
 - Métodos ágiles de desarrollo software mediante herramientas CASE. 20 hours. Universidad de la Coruña (Febrero 2005).
 - Introducción a la plataforma .NET con C#. 20 hours. Universidad de la Coruña (Noviembre 2004).
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- First Certificate in English. Cambridge University.
 - Ciclo Superior en idioma inglés por la Escuela Oficial de Idiomas de A Coruña.
 - Curso en Prevención de Riesgos Laborales de Seguridad. 2 hours (September 2012).