

International Conference on Graphic Engineering

Proceedings

Madrid 2013 June, 19, 20, 21

ISBN: 978-84-695-7930-5 Depósito Legal: M-17757-2013

International Conference INGERGRAF - ADM - AIP-PRIMECA Madrid 2013

Deposito Legal: M - 17757 - 2013 ISBN: 978-84-695-7930-5 We know the difficulties that the centers and universities that have organized previous INGEGRAF Congress have had, but now we have, like them, the satisfaction of having been here working to improve day-to-day the training of future european engineers and have shared our educational experiences.

We have enjoyed three days for discussions, exchange of ideas, knowledge of best practices that are being made in other centers and thus have the moral support that comes from knowing you're not alone.

I would like to thank you on behalf of all those who have contributed with their work so that this joint international conference INGEGRAF - ADM - AIP-PRIMECA has been undertaken.

For all of us it is important that you inform us in XXIII@congresoingegraf.es your assessment and improvements that can be introduced in the organization and development of the next conference to contribute to all to continue and enhance INGEGRAF Congress and new joint conferences, to showcase the strength of the engineering in the framework of the European Higher Education Area.

Pr. David Corbella Ribes Chairman of XXIII CONGRESO INGEGRAF

Introduction

The cooperation of university professors, Spanish, Italian and French, has promoted this joint international conference INGERGRAF - ADM - AIP-PRIMECA that has aimed to connect the research projects and professional activities on the area of graphic design and engineering. It facilitates the diffusion of research results and it makes use of the results of all stake holders at regional, national and international levels. At the same time it improves, among others, joint programming initiative for future events to strengthen the "Graphic Engineering" in Europe and other continents.

In this conference it is sought to draw conclusions about the progress being made in the area of innovation on engineering and technical education in recent years, in each of the thematic areas of the Congress and also to analyze the current status in which we are without forgetting new open lines of work and research in future years.

From all this reflection and sharing it is expected, as in previous editions, to write a document of conclusions that reflects the current theory and practice in the area of educational innovation in engineering design graphics and technical education.

We have prepared with enthusiasm a scientific program and also a social program according to the same philosophy, for the delegates and other attendees staying in the city of Madrid. We hope it has been useful and enjoyable for all.

Thank you very much for participating.

Honorary Committee

D. José Ignacio Wert Ortega

Minister of Education, Culture and Sports

D. Ignacio González

President of Madrid Comunity

Da. Ana Botella

Madrid Town Hall

Sr. D. Carlos Conde Lázaro

Rector of Universidad Politécnica de Madrid

Sr. D. Emilio Gómez

Director of the Escuela Universitaria de Ingeniería Técnica Industrial

Sr. D. Benoit Eynard

President of AIP-Primeca (Ateliers between établissements of productique - Poles Informatique pour la Resources Mécanique)

Sr. D. Stefano Tornincasa

President of ADM (Associazione Nazionale Italiana del Disegno di Macchine)

Sr. D. Francisco Hernández Abad

President of INGEGRAF (Asociación de Profesores de Expresión Gráfica en la Ingeniería)

Board of Directors of INGEGRAF

Alberto Fernández Sora (Universidad de Zaragoza)

Carlos San Antonio Gómez (Universidad Politécnica de Madrid)

Guillermo Peris Fajarnes (Universidad Politécnica de Valencia)

Eduardo Zurita de la Vega (Universidad de Santiago)

Pedro Ubieto Artur (Universidad de Zaragoza)

Congress Chairman

Pr. David Corbella Ribes

Organizing Committee

- 1. Amadeo Alonso
- 2. Ramón Arguelles
- 3. José María Cabanellas
- 4. Antonio Carretero
- 5. Jesús Félez Mindan
- 6. María Jesús García
- 7. Mª Luisa Martínez
- 8. Gregorio Romero
- 9. Rosa Mª Scala
- 10. Juan Carlos Asenjo
- 11.Cristina Velilla
- 12. José Carlos San Antonio
- 13. José Jaime Rúa
- 14. Antonio Crucelaegui
- 15. Leonardo Fernández
- 16. Miguel Ángel Conejo
- 17. Jesús Manso
- 18. Rufino Horcajo
- 19. Patricio Romero
- 20. Manuel Merino
- 21. Manuel Islan
- 22. María del Mar Recio
- 23. Lorenzo Gutiérrez
- 24. Julián José Narbón
- 25. Álvaro Ramírez
- 26. Félix Bendito Muñoz
- 27. Cristina Aliá
- 28. Javier Herráez
- 29. José A. Sanz Álvarez
- 30. Paloma Fernández García

Scientific Committee

- 1. Fernando J. Aguilar
- 2. José Juan Aliaga
- 3. José Amadeo Alonso
- 4. Jean-François Boujut
- 5. Antonio Carretero
- 6. Vincent Cheutet
- 7. David Corbella
- 8. Mercedes Farjas
- 9. Jesús Félez
- 10. Xavier Fischer
- 11. Rafael García
- 12. Salvatore Gerbino
- 13. Francisco Hernández
- 14. Tomás Ramón Herrero
- 15. Antonio Lanzotti
- 16. Massimo Martorelli
- 17. Dominique Millet
- 18. Francisco Montes
- 19. Giuseppa Novello
- 20. César Otero
- 21. Manuel Paredes
- 22. Guillermo Peris
- 23. José I. Rojas Sola
- 24. Carlos San Antonio
- 25. José Miguel Sánchez
- 26. Eloy Sentana Cremades
- 27. Irene Sentana Gadea
- 28. Pedro Ubieto
- 29. Pier Paolo Valentini
- 30. Mercedes Valiente
- 31. Ricardo Villar Ribera
- 32. Eduardo Zurita

Volunteer Students

- 1. Javier Ballesteros Lorente
- 2. Blanca Baeza Bosquet
- 3. Antonio Dos Reis Faria Neto
- 4. Angel André Duarte Rugiero
- 5. Irene Garate Asensio
- 6. Arturo Gil de Santivañes de Benito
- 7. Daniel Llamas Ruiz
- 8. Samuel Eduard Mcconnell Tejero
- 9. Ignacio Pastor Yañez
- 10. Maria Rita Sanchez Regojo
- 11. Santiago Vives Merino

Papers, in alphabetical order

3D Human Face Modelling: Soft Tissues Landmarking

ZOMPI, Antonio; TORNINCASA, Stefano; VEZZETTI, Enrico; MOOS, Sandro; VIOLANTE, Mariagrazia; MARCOLIN, Federica

DIGEP-Politecnico di Torino

3D Land Models with simple modeling tools

SANTAMARÍA, Jacinto; SANZ, Félix
UNIVERSIDAD DE LA RIOJA

A coherent teaching program for a course of product design at master degree level

RIZZUTI, Sergio

University of Calabria - DIMEG

A Finite Element Method to support the materials selection phase during the insole design process

MANDOLINI, Marco; GERMANI, Michele; RAFFAELI, Roberto *Università Politecnica delle Marche*

A global approach of the intermediary object: A case study in virtual environment

AL KHATIB, Ahmad; MAHDJOUB, Morad; BLUNTZER, Jean-Bernard; SAGOT, Jean-Claude. *Université de technologie Belfort-Montbéliard*

A graph-based approach to CAD modeling: a digital pattern application to the sizing and modeling of manual transverse gearboxes

LANZOTTI, Antonio; PATALANO, Stanislao; VITOLO, Ferdinando

UNIVERSITY OF NAPLES FEDERICO II

A new methodology to evaluate the flying shape of a sail

INGRASSIA, Tommaso; NIGRELLI, Vincenzo; GELSOMINO, Gabriella Università degli Studi di Palermo

Adding value to natural fiber reinforced materials by means of product design and development

JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier University of Girona

Alelhomology between conics

FERNANDEZ RODRIGUEZ, Manuel

Universidad de Oviedo

An Algorithm for Complex Surfaces Modelling Using MatLab

PÉREZ VÁZQUEZ, Manuel; VÁZQUEZ PAZ, José

Universidade de Vigo

Analytical study of an interference fit fastener assembly

PAREDES, Manuel; SARTOR, Marc; NEFISSI, Naoufel INSA, Institut Clément Ader

Associative modeling of manufacturing information in CAD-Systems

FASSI FIHRI, Nabil; GOTTWALD, Martin; DENEUX, Dominique; BOHN, Martin ENSIAME / DAIMLER

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

NUGRAHA BAHAR, Yudi; LANDRIEU, Jérémie; PERE, Christian; NICOLLE, Christophe

Arts et Metiers ParisTech France

CAD Modeling and Simulation of a New Semi-Automatic Machine for Olive Oil Packaging

SPERANZA, Domenico

University of Cassino

Comparative analysis of a university learning experience. Classroom mode versus distance mode.

FÁBREGAS RUESCAS, Juan José; HERNANDEZ ABAD, Francisco; HERNANDEZ ABAD, Vicente; ROJAS SOLA, José Ignacio

Universidad Politécnica de Cataluña

Design and processing of a virtual female pelvic cavity for gynecological and obstetrical teaching of medical students

PATROUIX, Laurent; QUAEGEBEUR, Philippe; GIRAUDET, Géraldine; BRIEU, Mathias; COSSON, Michel; LECOMTE, Pauline.

Ecole Centrale de Lille

Design characterization and automatic identification of character lines in automotive field

BAGASSI, Sara; LUCCHI, Francesca; PERSIANI, Franco

University of Bologna

Design of a cordless hair dryer product

RODRIGUEZ QUIJADA, Constanza; DE CÓZAR MACÍAS, Óscar David; CASTILLO RUEDA, Francisca José; LADRÓN DE GUEVARA LÓPEZ, Isidro; BLÁZQUEZ PARRA, Elidia Beatriz

UNIVERSIDAD DE MÁLAGA

Design of a Cupola to Download Concrete

MIRALBES, Ramon; RANZ, David; COMAS, Roger; SANTOLAYA, Jose Luis

University of Zaragoza

Designing usable interface for people with dementia

CECCACCI, Silvia; GERMANI, Michele; MENGONI, Maura Università Politecnica delle Marche

Detection of small features in flat-field images of astronomical cameras: application to the OSIRIS instrument on board the Rosetta (ESA) mission

BENITEZ, Alicia D.; LARA, Luisa M.;

Instituto de Astrofísica de Andalucía (IAA-CSIC)

Engineering and Architecture Applications based on Unmanned Aerial Vehicles, UAV

CARVAJAL, Fernando; AGÜERA, Francisco; PÉREZ, Mónica

University of Almeria

Ergonomic design of an object detector device for blind people

LENGUA, Ismael; DUNAI, Larisa; PERIS FAJARNÉS, Guillermo; DEFEZ, Beatriz Universitat Politècnica de València

Evolution of the graphic representation of utility networks in urban planning plans

GOMIS S., Jordi; TURÓN R., Carlos *Universitat Rovira i Virgili*

Freeform surfaces adaptation through developable strips.

GONZALEZ QUINTIAL, Francisco; SANCHEZ PARANDIET, Antonio *UPV-EHU*

Geometric documentation of mining industrial historical heritage: application to a Cornish pumping engine house from the ancient mining district in Linares-La Carolina (Jaen)

ROJAS SOLA, José Ignacio; MONTALVO GIL, Juan Manuel; CASTRO GARCÍA, Miguel UNIVERSIDAD DE JAÉN

Geometric documentation of mining industrial historical heritage: application to a metallic headframe from the ancient mining district in Linares-La Carolina (Jaen)

MONTALVO GIL, Juan Manuel; ROJAS SOLA, José Ignacio; CASTRO GARCÍA, Miguel Universidad de Jaén

Geometric documentation of the flour factory El puente Colgante in Aranjuez (Madrid)

MILLÁN GHISLERI, Juan; ROJAS SOLA, José Ignacio; SAN ANTONIO GÓMEZ, Carlos

Technical University of Madrid & University of Jaén

Geometrical definition and virtual reconstruction of the vertical cage and horizontal plate presses for extraction grape must

RAMIREZ FUENTES, M Angeles; CASTRO GARCÍA, Miguel; CARRANZA CAÑADAS, M Pilar; BURGOS LADRON DE GUEVARA, E; MONTES TUBIO, Francisco de Paula

Universidad de Córdoba; Universidad de Jaén

GIS analysis for settlements accuracy study on Madrid Province (AGE Tomas Lopez 1804)

FERNÁNDEZ SÁNCHEZ, José Salvador; MANZANO AGUGLIARO, Francisco; SAN ANTONIO GÓMEZ, Carlos University of Almeria/ Polytechnic University of Madrid

Human skeletal system virtualization by using solid voxels models

ALONSO, Jorge; ÁLVAREZ, Rafael; ROCES, Jorge
Universidad de Oviedo

Impervious surface areas classification from GeoEye-1 satellite imagery using OBIA approach in a coastal area of Almeria (Spain)

FERNÁNDEZ LUQUE, Ismael; AGUILAR TORRES, Fernando J.; AGUILAR TORRES, Manuel A.; ÁLVAREZ TABOADA, Flor; SALDAÑA DÍAZ, María del Mar

University of Almeria

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO, Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

Improving Passive Safety of Sports Equipment through Experimental Testing of New Protection Devices

COSTABILE, Gianluca; AMODEO, Giuseppe; LANZOTTI, Antonio; MARTORELLI, Massimo; ODENWALD, Stephan; SCHWANITZ, Stepan

University of Naples Federico II, Dept of Industrial Engineering

Incorporation of constructivist techniques for the improvement of the tutored teaching in computer based classrooms

ROCES, Jorge; ÁLVAREZ, Rafael; ALONSO, Jorge

Universidad de Oviedo

Knowledge driven verification of positional tolerances

CONCHERI, Gianmaria; MILANESE, Vitaliano (2)

Università di Padova (1), Università di Udine (2)

Masonry Vaults: The efficiency of geometry

FORTEA, Manuel; REYES, Antonio Manuel; CANITO, José Luis; GARCÍA, Justo *Universidad de Extremadura*

Method for 3D printing of highly complex geometries: The first 2flat torus2 printed in 3D

HENOCQUE, Thierry; MARIN Philippe

University of Grenoble / AIP Primeca Dauphine-Savoie

Mobile device application to calculate and simulate energy expenditure in households using CAD tools

ÁLVAREZ PEÑÍN, Pedro Ignacio; BUSTO PARRA, Bernardo; PANDO CERRA, Pablo Oviedo

Modelling of the crumpling process of a paper sheet

ROHMER, Serge; MERAT, Alexis; FLODERER, Vincent; COPINET, Alain

University of Technology of Troyes

New trends in e-learning platforms and content management for learning in engineering

LENGUA, Ismael; DUNAI, Larisa; PERIS FAJARNÉS, Guillermo; DEFEZ, Beatriz *Universitat Politècnica de València*

Optimal dimensioning for the transmission shaft of a longitudinal gearbox

GERBINO, S; LANZOTTI, S.; PATALANO, S.; RUFRANO, V.; VITOLO, F UNIVERSITY OF NAPLES FEDERICO II, UNIVERSITY OF MOLISE

Performance Evaluation of CUDA programming for machining simulation

ABECASSIS, Felix; LAVERNHE, Sylvain; TOURNIER, Christophe; BOUCARD, Pierre-Alain Ecole Normale Supérieure de Cachan

Proposal about the design and the choice of road signs

ROVIDA, Edoardo; VIGANO, Roberto;

Politecnico di Milano - Dipartimento di Meccanica

Proposal of a data-base to support the embodyment design phase

ROSA, Francesco; ROVIDA, Edoardo; VIGANO, Roberto

Politecnico di Milano

Radiometric Comparison between GeoEye-1 and WorldView-2 Panchromatic and Multispectral Imagery

AGUILAR, Manuel Ángel; SALDAÑA DÍAZ, María del Mar; AGUILAR, Fernando; FERNÁNDEZ LUQUE, Ismael University of Almería

Remote Sensing for Monitoring the Effects of Agricultural Policies: the Case of the Irrigated Area of Tadla Azilal (Morocco)

NEMMAOUI, Abderrahim; AGUILAR, F.J.; GARCÍA LORCA, A.; AGUILAR, M.A. *University of Almeria*

Represent mean condense complex information: the updating of new media for the construction field

LO TURCO, Massimiliano; NOVELLO, Giuseppa Politecnico di Torino

Study of the product - services design and environment influence on the elderly s daily life

MORER CAMO, Paz; GONZÁLEZ ZUAZO, Itziar

Survey of jointed rock mass from 3D point clouds for the wedge stability analysis

MENÉNDEZ DÍAZ, Agustín; ORDÓÑEZ GALÁN, Celestino; BOUZA RODRÍGUEZ, Benito; GARCÍA CORTÉS, Silverio

Universidad de Oviedo

Navarra

Teaching geometric modeling and analysis of tensegrity structures

GOMEZ JAUREGUI, Valentin; OTERO, Cesar; ARIAS, Ruben; MANCHADO, Cristina Universidad de Cantabria

Teaching methodology of the subject @Graphic Expression@ using Web - based CAD tools

PANDO CERRA, Pablo; ÁLVAREZ PEÑÍN, Pedro Ignacio; BUSTO PARRA, Bernardo Universidad de Oviedo

Teaching practice for subjects of graphic expression through project-based learning

MARÍN GRANADOS, Manuel Damián; BLÁZQUEZ PARRA, Elidia Beatriz; GUTIERREZ ARIZA, Francisco Javier; LADRÓN DE GUEVARA MUÑOZ, Mª Luisa; LADRÓN DE GUEVARA MUÑOZ, Mª Carmen UNIVERSIDAD DE MÁLAGA

The educational use of CAD tools for technology education

LAVABRE, Renaud; LABEILLE, Didier; BONZOM Christian; STEPHAN, Pierre
Institut Clément Ader (ICA / Toulouse

Towards new processes to reverse engineering of digital mock-ups from a set of heterogeneous data

BRUNEAU, Marina; DURUPT, Alexandre; ROUCOULES, Lionel; PERNOT, Jean-Philippe *Université de Technologie de Compiègne*

Verification of positional tolerances with a 3D non-contact measurement method

MINGUEZ, Rikardo; ARIAS, Agustin; ETXANIZ, Olatz; SOLABERRIETA, Eneko; BARRENETXEA, Lander; OLANO Aitor

University of the Basque Country UPV/EHU

Virtual simulation of chimney shaft of Valdeazogues

ALMANSA, Emiliano; FUENTES, Demetrio; MONTES TUBIO, Francisco de Paula; CASTRO, Miguel. *UCLM / UCO*

Authors index

ABECASSIS, Felix

Performance Evaluation of CUDA programming for machining simulation

AGUILAR TORRES, Fernando J.

Impervious surface areas classification from GeoEye-1 satellite imagery using OBIA approach in a coastal area of Almeria (Spain)

AGUILAR TORRES, Manuel A.

Impervious surface areas classification from GeoEye-1 satellite imagery using OBIA approach in a coastal area of Almeria (Spain)

AGUILAR, F.J.

Remote Sensing for Monitoring the Effects of Agricultural Policies: the Case of the Irrigated Area of Tadla Azilal (Morocco)

AGUILAR, Fernando

Radiometric Comparison between GeoEye-1 and WorldView-2 Panchromatic and Multispectral Imagery

AGUILAR, M.A.

Remote Sensing for Monitoring the Effects of Agricultural Policies: the Case of the Irrigated Area of Tadla Azilal (Morocco)

AGUILAR, Manuel Angel

Radiometric Comparison between GeoEye-1 and WorldView-2 Panchromatic and Multispectral Imagery

AGÜERA, Francisco

Engineering and Architecture Applications based on Unmanned Aerial Vehicles, UAV

AL KHATIB, Ahmad

A global approach of the intermediary object: A case study in virtual environment

ALMANSA, Emiliano

Virtual simulation of chimney shaft of Valdeazogues

ALONSO, Jorge

Human skeletal system virtualization by using solid voxels models

Incorporation of constructivist techniques for the improvement of the tutored teaching in computer based classrooms

ALVAREZ PEÑIN, Pedro Ignacio

Mobile device application to calculate and simulate energy expenditure in households using CAD tools

Teaching methodology of the subject @Graphic Expression@ using Web - based CAD tools

ALVAREZ TABOADA, Flor

Impervious surface areas classification from GeoEye-1 satellite imagery using OBIA approach in a coastal area of Almeria (Spain)

ALVAREZ, Rafael

Human skeletal system virtualization by using solid voxels models

Incorporation of constructivist techniques for the improvement of the tutored teaching in computer based classrooms

AMODEO, Giuseppe

Improving Passive Safety of Sports Equipment through Experimental Testing of New Protection Devices

ARIAS, Agustin

Verification of positional tolerances with a 3D non-contact measurement method

ARIAS, Ruben

Teaching geometric modeling and analysis of tensegrity structures

BAGASSI, Sara

Design characterization and automatic identification of character lines in automotive field

BARRENETXEA, Lander

Verification of positional tolerances with a 3D non-contact measurement method

BENITEZ, Alicia D.

Detection of small features in flat-field images of astronomical cameras: application to the OSIRIS instrument on board the Rosetta (ESA) mission

BLAYA HARO, Fernando

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

BLAZQUEZ PARRA, Elidia Beatriz

Design of a cordless hair dryer product

Teaching practice for subjects of graphic expression through project-based learning

BLUNTZER, Jean-Bernard

A global approach of the intermediary object: A case study in virtual environment

BOHN, Martin

Associative modeling of manufacturing information in CAD-Systems

BONZOM Christian

The educational use of CAD tools for technology education

BOUCARD, Pierre-Alain

Performance Evaluation of CUDA programming for machining simulation

BOUZA RODRIGUEZ, Benito

Survey of jointed rock mass from 3D point clouds for the wedge stability analysis

BRIEU, Mathias

Design and processing of a virtual female pelvic cavity for gynecological and obstetrical teaching of medical students

BRUNEAU, Marina

Towards new processes to reverse engineering of digital mock-ups from a set of heterogeneous data

BURGOS LADRON DE GUEVARA, E

Geometrical definition and virtual reconstruction of the vertical cage and horizontal plate presses for extraction grape must

BUSTO PARRA, Bernardo

Mobile device application to calculate and simulate energy expenditure in households using CAD tools

Teaching methodology of the subject @Graphic Expression@ using Web - based CAD tools

CANITO, José Luis

Masonry Vaults: The efficiency of geometry

CARRANZA CAÑADAS. M Pilar

Geometrical definition and virtual reconstruction of the vertical cage and horizontal plate presses for extraction grape must

CARVAJAL, Fernando

Engineering and Architecture Applications based on Unmanned Aerial Vehicles, UAV

CASTILLO RUEDA, Francisca José

Design of a cordless hair dryer product

CASTRO GARCIA, Miguel

Geometric documentation of mining industrial historical heritage: application to a Cornish pumping engine house from the ancient mining district in Linares-La Carolina (Jaen)

Geometric documentation of mining industrial historical heritage: application to a metallic headframe from the ancient mining district in Linares-La Carolina (Jaen)

Geometrical definition and virtual reconstruction of the vertical cage and horizontal plate presses for extraction grape must

CASTRO, Miguel.

Virtual simulation of chimney shaft of Valdeazogues

CECCACCI, Silvia

Designing usable interface for people with dementia

COMAS, Roger

Design of a Cupola to Download Concrete

CONCHERI, Gianmaria

Knowledge driven verification of positional tolerances

COPINET, Alain

Modelling of the crumpling process of a paper sheet

COSSON, Michel

Design and processing of a virtual female pelvic cavity for gynecological and obstetrical teaching of medical students

COSTABILE, Gianluca

Improving Passive Safety of Sports Equipment through Experimental Testing of New Protection Devices

DE COZAR MACIAS, Oscar David

Design of a cordless hair dryer product

DEFEZ, Beatriz

Ergonomic design of an object detector device for blind people

New trends in e-learning platforms and content management for learning in engineering

DENEUX, Dominique

Associative modeling of manufacturing information in CAD-Systems

DUNAI, Larisa

Ergonomic design of an object detector device for blind people

New trends in e-learning platforms and content management for learning in engineering

DURUPT, Alexandre

Towards new processes to reverse engineering of digital mock-ups from a set of heterogeneous data

ESPINACH, Francesc Xavier

Adding value to natural fiber reinforced materials by means of product design and development

ETXANIZ, Olatz

Verification of positional tolerances with a 3D non-contact measurement method

FABREGAS RUESCAS, Juan José

Comparative analysis of a university learning experience. Classroom mode versus distance mode.

FASSI FIHRI, Nabil

Associative modeling of manufacturing information in CAD-Systems

FERNANDEZ LUQUE, Ismael

Impervious surface areas classification from GeoEye-1 satellite imagery using OBIA approach in a coastal area of Almeria (Spain)

Radiometric Comparison between GeoEye-1 and WorldView-2 Panchromatic and Multispectral Imagery

FERNANDEZ RODRIGUEZ, Manuel

Alelhomology between conics

FERNANDEZ SANCHEZ, José Salvador

GIS analysis for settlements accuracy study on Madrid Province (AGE Tomas Lopez 1804)

FLODERER, Vincent

Modelling of the crumpling process of a paper sheet

FORTEA, Manuel

Masonry Vaults: The efficiency of geometry

FUENTES, Demetrio

Virtual simulation of chimney shaft of Valdeazogues

GARCIA ALONSO, Jesús Manuel

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCIA CORTES, Silverio

Survey of jointed rock mass from 3D point clouds for the wedge stability analysis

GARCIA LORCA, A.

Remote Sensing for Monitoring the Effects of Agricultural Policies: the Case of the Irrigated Area of Tadla Azilal (Morocco)

GARCIA VICARIO, Imanol

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCIA, Justo

Masonry Vaults: The efficiency of geometry

GELSOMINO, Gabriella

A new methodology to evaluate the flying shape of a sail

GERBINO, S

Optimal dimensioning for the transmission shaft of a longitudinal gearbox

GERMANI, Michele

A Finite Element Method to support the materials selection phase during the insole design process

Designing usable interface for people with dementia

GIRAUDET, Géraldine

Design and processing of a virtual female pelvic cavity for gynecological and obstetrical teaching of medical students

GOMEZ JAUREGUI, Valentin

Teaching geometric modeling and analysis of tensegrity structures

GOMIS S., Jordi

Evolution of the graphic representation of utility networks in urban planning plans

GONZALEZ QUINTIAL, Francisco

Freeform surfaces adaptation through developable strips.

GONZALEZ ZUAZO, Itziar

Study of the product - services design and environment influence on the elderly saily life

GOTTWALD, Martin

Associative modeling of manufacturing information in CAD-Systems

GUTIERREZ ARIZA, Francisco Javier

Teaching practice for subjects of graphic expression through project-based learning

HENOCQUE, Thierry

Method for 3D printing of highly complex geometries: The first Iflat torus printed in 3D

HERNANDEZ ABAD, Francisco

Comparative analysis of a university learning experience. Classroom mode versus distance mode.

HERNANDEZ ABAD, Vicente

Comparative analysis of a university learning experience. Classroom mode versus distance mode.

INGRASSIA, Tommaso

A new methodology to evaluate the flying shape of a sail

JULIAN, Fernando

Adding value to natural fiber reinforced materials by means of product design and development

LABEILLE, Didier

The educational use of CAD tools for technology education

LADRON DE GUEVARA LOPEZ, Isidro

Design of a cordless hair dryer product

LADRON DE GUEVARA MUÑOZ, Mª Carmen

Teaching practice for subjects of graphic expression through project-based learning

LADRON DE GUEVARA MUÑOZ, Mª Luisa

Teaching practice for subjects of graphic expression through project-based learning

LANDRIEU, Jérémie

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

LANZOTTI, Antonio

A graph-based approach to CAD modeling: a digital pattern application to the sizing and modeling of manual transverse gearboxes

Improving Passive Safety of Sports Equipment through Experimental Testing of New Protection Devices

LANZOTTI, S.

Optimal dimensioning for the transmission shaft of a longitudinal gearbox

LARA, Luisa M.

Detection of small features in flat-field images of astronomical cameras: application to the OSIRIS instrument on board the Rosetta (ESA) mission

LAVABRE, Renaud

The educational use of CAD tools for technology education

LAVERNHE, Sylvain

Performance Evaluation of CUDA programming for machining simulation

LECOMTE, Pauline.

Design and processing of a virtual female pelvic cavity for gynecological and obstetrical teaching of medical students

LENGUA, Ismael

Ergonomic design of an object detector device for blind people

New trends in e-learning platforms and content management for learning in engineering

LO TURCO, Massimiliano

Represent mean condense complex information: the updating of new media for the construction field

LUCCHI, Francesca

Design characterization and automatic identification of character lines in automotive field

MAHDJOUB, Morad

A global approach of the intermediary object: A case study in virtual environment

MANCHADO, Cristina

Teaching geometric modeling and analysis of tensegrity structures

MANDOLINI, Marco

A Finite Element Method to support the materials selection phase during the insole design process

MANZANO AGUGLIARO, Francisco

GIS analysis for settlements accuracy study on Madrid Province (AGE Tomas Lopez 1804)

MARCOLIN, Federica

3D Human Face Modelling: Soft Tissues Landmarking

MARIN GRANADOS, Manuel Damián

Teaching practice for subjects of graphic expression through project-based learning

MARIN Philippe

Method for 3D printing of highly complex geometries: The first Iflat torus printed in 3D

MARTORELLI, Massimo

Improving Passive Safety of Sports Equipment through Experimental Testing of New Protection Devices

MENENDEZ DIAZ, Agustín

Survey of jointed rock mass from 3D point clouds for the wedge stability analysis

MENGONI, Maura

Designing usable interface for people with dementia

MERAT, Alexis

Modelling of the crumpling process of a paper sheet

MILANESE, Vitaliano (2)

Knowledge driven verification of positional tolerances

MILLAN GHISLERI, Juan

Geometric documentation of the flour factory El puente Colgante in Aranjuez (Madrid)

MINGUEZ, Rikardo

Verification of positional tolerances with a 3D non-contact measurement method

MIRALBES, Ramon

Design of a Cupola to Download Concrete

MONTALVO GIL, Juan Manuel

Geometric documentation of mining industrial historical heritage: application to a Cornish pumping engine house from the ancient mining district in Linares-La Carolina (Jaen)

Geometric documentation of mining industrial historical heritage: application to a metallic headframe from the ancient mining district in Linares-La Carolina (Jaen)

MONTES TUBIO, Francisco de Paula

Geometrical definition and virtual reconstruction of the vertical cage and horizontal plate presses for extraction grape must

Virtual simulation of chimney shaft of Valdeazogues

MOOS, Sandro

3D Human Face Modelling: Soft Tissues Landmarking

MORER CAMO, Paz

Study of the product - services design and environment influence on the elderly a daily life

NEFISSI, Naoufel

Analytical study of an interference fit fastener assembly

NEMMAOUI, Abderrahim

Remote Sensing for Monitoring the Effects of Agricultural Policies: the Case of the Irrigated Area of Tadla Azilal (Morocco)

NICOLLE, Christophe

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

NIGRELLI, Vincenzo

A new methodology to evaluate the flying shape of a sail

NOVELLO, Giuseppa

Represent mean condense complex information: the updating of new media for the construction field

NUGRAHA BAHAR, Yudi

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

ODENWALD, Stephan

Improving Passive Safety of Sports Equipment through Experimental Testing of New Protection Devices

OLANO Aitor

Verification of positional tolerances with a 3D non-contact measurement method

ORDOÑEZ GALAN, Celestino

Survey of jointed rock mass from 3D point clouds for the wedge stability analysis

OTERO, Cesar

Teaching geometric modeling and analysis of tensegrity structures

PANDO CERRA, Pablo

Mobile device application to calculate and simulate energy expenditure in households using CAD tools

Teaching methodology of the subject @Graphic Expression@ using Web - based CAD tools

PAREDES, Manuel

Analytical study of an interference fit fastener assembly

PATALANO, S.

Optimal dimensioning for the transmission shaft of a longitudinal gearbox

PATALANO, Stanislao

A graph-based approach to CAD modeling: a digital pattern application to the sizing and modeling of manual transverse gearboxes

PATROUIX, Laurent

Design and processing of a virtual female pelvic cavity for gynecological and obstetrical teaching of medical students

PERE, Christian

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

PEREZ VAZQUEZ, Manuel

An Algorithm for Complex Surfaces Modelling Using MatLab

PEREZ, Mónica

Engineering and Architecture Applications based on Unmanned Aerial Vehicles, UAV

PERIS FAJARNES, Guillermo

Ergonomic design of an object detector device for blind people

New trends in e-learning platforms and content management for learning in engineering

PERNOT, Jean-Philippe

Towards new processes to reverse engineering of digital mock-ups from a set of heterogeneous data

PERSIANI, Franco

Design characterization and automatic identification of character lines in automotive field

QUAEGEBEUR, Philippe

Design and processing of a virtual female pelvic cavity for gynecological and obstetrical teaching of medical students

RAFFAELI, Roberto

A Finite Element Method to support the materials selection phase during the insole design process

RAMIREZ FUENTES, M Angeles

Geometrical definition and virtual reconstruction of the vertical cage and horizontal plate presses for extraction grape must

RANZ. David

Design of a Cupola to Download Concrete

REYES, Antonio Manuel

Masonry Vaults: The efficiency of geometry

RIZZUTI, Sergio

A coherent teaching program for a course of product design at master degree level

ROCES, Jorge

Human skeletal system virtualization by using solid voxels models

Incorporation of constructivist techniques for the improvement of the tutored teaching in computer based classrooms

RODRIGUEZ QUIJADA, Constanza

Design of a cordless hair dryer product

ROHMER, Serge

Modelling of the crumpling process of a paper sheet

ROJAS SOLA, José Ignacio

Comparative analysis of a university learning experience. Classroom mode versus distance mode.

Geometric documentation of mining industrial historical heritage: application to a Cornish pumping engine house from the ancient mining district in Linares-La Carolina (Jaen)

Geometric documentation of mining industrial historical heritage: application to a metallic headframe from the ancient mining district in Linares-La Carolina (Jaen)

Geometric documentation of the flour factory El puente Colgante in Aranjuez (Madrid)

ROSA, Francesco

Proposal of a data-base to support the embodyment design phase

ROUCOULES, Lionel

Towards new processes to reverse engineering of digital mock-ups from a set of heterogeneous data

ROVIDA, Edoardo

Proposal about the design and the choice of road signs

Proposal of a data-base to support the embodyment design phase

RUFRANO, V.

Optimal dimensioning for the transmission shaft of a longitudinal gearbox

SAGOT, Jean-Claude.

A global approach of the intermediary object: A case study in virtual environment

SALDAÑA DIAZ, María del Mar

Impervious surface areas classification from GeoEye-1 satellite imagery using OBIA approach in a coastal area of Almeria (Spain)

Radiometric Comparison between GeoEye-1 and WorldView-2 Panchromatic and Multispectral Imagery

SAN ANTONIO GOMEZ, Carlos

Geometric documentation of the flour factory El puente Colgante in Aranjuez (Madrid)

GIS analysis for settlements accuracy study on Madrid Province (AGE Tomas Lopez 1804)

SANCHEZ PARANDIET, Antonio

Freeform surfaces adaptation through developable strips.

SANTAMARIA, Jacinto

3D Land Models with simple modeling tools

SANTOLAYA, Jose Luis

Design of a Cupola to Download Concrete

SANZ, Félix

3D Land Models with simple modeling tools

SARTOR, Marc

Analytical study of an interference fit fastener assembly

SCHWANITZ, Stepan

Improving Passive Safety of Sports Equipment through Experimental Testing of New Protection Devices

SOLABERRIETA, Eneko

Verification of positional tolerances with a 3D non-contact measurement method

SORIANO HERAS, Enrique

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

SPERANZA, Domenico

CAD Modeling and Simulation af a New Semi-Automatic Machine for Olive Oil Packaging

STEPHAN, Pierre

The educational use of CAD tools for technology education

TORNINCASA, Stefano

3D Human Face Modelling: Soft Tissues Landmarking

TOURNIER, Christophe

Performance Evaluation of CUDA programming for machining simulation

TRESSERRAS, Josep

Adding value to natural fiber reinforced materials by means of product design and development

TURON R., Carlos

Evolution of the graphic representation of utility networks in urban planning plans

VAZQUEZ PAZ, José

An Algorithm for Complex Surfaces Modelling Using MatLab

VERDAGUER, Narcis

Adding value to natural fiber reinforced materials by means of product design and development

VEZZETTI, Enrico

3D Human Face Modelling: Soft Tissues Landmarking

VIGANO, Roberto

Proposal about the design and the choice of road signs

Proposal of a data-base to support the embodyment design phase

VIOLANTE, Mariagrazia

3D Human Face Modelling: Soft Tissues Landmarking

VITOLO, F

Optimal dimensioning for the transmission shaft of a longitudinal gearbox

VITOLO, Ferdinando

A graph-based approach to CAD modeling: a digital pattern application to the sizing and modeling of manual transverse gearboxes

ZOMPI, Antonio

3D Human Face Modelling: Soft Tissues Landmarking

Topics index

DESIGN

ADVANCED TOOLS FOR EARLY PRODUCT DESIGN

Design characterization and automatic identification of character lines in automotive field

BAGASSI, Sara; LUCCHI, Francesca; PERSIANI, Franco

University of Bologna

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

NUGRAHA BAHAR, Yudi; LANDRIEU, Jérémie; PERE, Christian; NICOLLE, Christophe

Arts et Metiers ParisTech France

Proposal of a data-base to support the embodyment design phase

ROSA, Francesco; ROVIDA, Edoardo; VIGANO, Roberto

Politecnico di Milano

Adding value to natural fiber reinforced materials by means of product design and development

JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier

University of Girona

Associative modeling of manufacturing information in CAD-Systems

FASSI FIHRI, Nabil; GOTTWALD, Martin; DENEUX, Dominique; BOHN, Martin

ENSIAME / DAIMLER

Alelhomology between conics

FERNANDEZ RODRIGUEZ, Manuel

Universidad de Oviedo

CONCEPTUAL DESIGN

Adding value to natural fiber reinforced materials by means of product design and development JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier University of Girona

CREATIVITY

Design characterization and automatic identification of character lines in automotive field

BAGASSI, Sara; LUCCHI, Francesca; PERSIANI, Franco

University of Bologna

Adding value to natural fiber reinforced materials by means of product design and development JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier University of Girona

GLOBAL DESIGN TOOLS, METHODS AND TECHNIQUES

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

NUGRAHA BAHAR, Yudi; LANDRIEU, Jérémie; PERE, Christian; NICOLLE, Christophe

Arts et Metiers ParisTech France

Teaching geometric modeling and analysis of tensegrity structures

GOMEZ JAUREGUI, Valentin; OTERO, Cesar; ARIAS, Ruben; MANCHADO, Cristina

Universidad de Cantabria

Proposal of a data-base to support the embodyment design phase

ROSA, Francesco; ROVIDA, Edoardo; VIGANO, Roberto

Politecnico di Milano

A global approach of the intermediary object: A case study in virtual environment

AL KHATIB, Ahmad; MAHDJOUB, Morad; BLUNTZER, Jean-Bernard; SAGOT, Jean-Claude.

Université de technologie Belfort-Montbéliard

Alelhomology between conics

FERNANDEZ RODRIGUEZ, Manuel

Universidad de Oviedo

Improving Passive Safety of Sports Equipment through Experimental Testing of New Protection Devices

COSTABILE, Gianluca; AMODEO, Giuseppe; LANZOTTI, Antonio; MARTORELLI, Massimo; ODENWALD, Stephan; SCHWANITZ, Stepan

University of Naples Federico II, Dept of Industrial Engineering

HUMAN CENTER DESIGN

Design characterization and automatic identification of character lines in automotive field

BAGASSI, Sara; LUCCHI, Francesca; PERSIANI, Franco

University of Bologna

Study of the product - services design and environment influence on the elderly s daily life

MORER CAMO, Paz; GONZÁLEZ ZUAZO, Itziar

Navarra

Adding value to natural fiber reinforced materials by means of product design and development

JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier

University of Girona

A global approach of the intermediary object: A case study in virtual environment

AL KHATIB, Ahmad; MAHDJOUB, Morad; BLUNTZER, Jean-Bernard; SAGOT, Jean-Claude.

Université de technologie Belfort-Montbéliard

Designing usable interface for people with dementia

CECCACCI, Silvia; GERMANI, Michele; MENGONI, Maura

Università Politecnica delle Marche

INDUSTRIAL DESIGN AND ERGONOMICS

Study of the product - services design and environment influence on the elderly s daily life

MORER CAMO, Paz; GONZÁLEZ ZUAZO, Itziar

Navarra

Adding value to natural fiber reinforced materials by means of product design and development

JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier

University of Girona

A global approach of the intermediary object: A case study in virtual environment

AL KHATIB, Ahmad; MAHDJOUB, Morad; BLUNTZER, Jean-Bernard; SAGOT, Jean-Claude.

Université de technologie Belfort-Montbéliard

Design of a cordless hair dryer product

RODRIGUEZ QUIJADA, Constanza; DE CÓZAR MACÍAS, Óscar David; CASTILLO RUEDA, Francisca José; LADRÓN DE GUEVARA LÓPEZ, Isidro; BLÁZQUEZ PARRA, Elidia Beatriz

UNIVERSIDAD DE MÁLAGA

Design of a Cupola to Download Concrete

MIRALBES, Ramon; RANZ, David; COMAS, Roger; SANTOLAYA, Jose Luis

University of Zaragoza

INTERACTIVE DESIGN

Adding value to natural fiber reinforced materials by means of product design and development

JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier University of Girona

A new methodology to evaluate the flying shape of a sail

INGRASSIA, Tommaso; NIGRELLI, Vincenzo; GELSOMINO, Gabriella

Università degli Studi di Palermo

INTERACTIVE EXPLORATION OF DESIGN SPACES

Teaching geometric modeling and analysis of tensegrity structures

GOMEZ JAUREGUI, Valentin; OTERO, Cesar; ARIAS, Ruben; MANCHADO, Cristina

Universidad de Cantabria

INTERFACES FOR INTERACTIVE DESIGN

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

NUGRAHA BAHAR, Yudi; LANDRIEU, Jérémie; PERE, Christian; NICOLLE, Christophe

Arts et Metiers ParisTech France

Mobile device application to calculate and simulate energy expenditure in households using CAD tools

ÁLVAREZ PEÑÍN, Pedro Ignacio; BUSTO PARRA, Bernardo; PANDO CERRA, Pablo

Oviedo

Designing usable interface for people with dementia

CECCACCI, Silvia; GERMANI, Michele; MENGONI, Maura

Università Politecnica delle Marche

MODELS FOR INTERACTIVE DESIGN TECHNIQUES AND QUALIFICATION

Teaching geometric modeling and analysis of tensegrity structures

GOMEZ JAUREGUI, Valentin; OTERO, Cesar; ARIAS, Ruben; MANCHADO, Cristina

Universidad de Cantabria

A new methodology to evaluate the flying shape of a sail

INGRASSIA, Tommaso; NIGRELLI, Vincenzo; GELSOMINO, Gabriella

Università degli Studi di Palermo

REDESIGN

Design characterization and automatic identification of character lines in automotive field

BAGASSI, Sara; LUCCHI, Francesca; PERSIANI, Franco

University of Bologna

SIMULATION FOR DESIGN

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

NUGRAHA BAHAR, Yudi; LANDRIEU, Jérémie; PERE, Christian; NICOLLE, Christophe

Arts et Metiers ParisTech France

Analytical study of an interference fit fastener assembly

PAREDES, Manuel; SARTOR, Marc; NEFISSI, Naoufel

INSA, Institut Clément Ader

A Finite Element Method to support the materials selection phase during the insole design process

MANDOLINI, Marco; GERMANI, Michele; RAFFAELI, Roberto

Università Politecnica delle Marche

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO, Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

Adding value to natural fiber reinforced materials by means of product design and development

JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier University of Girona

3D Land Models with simple modeling tools

SANTAMARÍA, Jacinto; SANZ, Félix

UNIVERSIDAD DE LA RIOJA

A new methodology to evaluate the flying shape of a sail

INGRASSIA, Tommaso; NIGRELLI, Vincenzo; GELSOMINO, Gabriella

Università degli Studi di Palermo

PRODUCT ENGINEERING

COLLABORATIVE PRODUCT DESIGN AND MANUFACTURING

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO, Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

Adding value to natural fiber reinforced materials by means of product design and development

JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier University of Girona

Design of a Cupola to Download Concrete

MIRALBES, Ramon; RANZ, David; COMAS, Roger; SANTOLAYA, Jose Luis University of Zaragoza Ergonomic design of an object detector device for blind people

LENGUA, Ismael; DUNAI, Larisa; PERIS FAJARNÉS, Guillermo; DEFEZ, Beatriz

Universitat Politècnica de València

GEOMETRIC AND FUNCTIONAL CHARACTERIZATION OF PRODUCTS

Verification of positional tolerances with a 3D non-contact measurement method

MINGUEZ, Rikardo; ARIAS, Agustin; ETXANIZ, Olatz; SOLABERRIETA, Eneko; BARRENETXEA, Lander; OLANO Aitor

University of the Basque Country UPV/EHU

Freeform surfaces adaptation through developable strips.

GONZALEZ QUINTIAL, Francisco; SANCHEZ PARANDIET, Antonio

UPV-EHU

Modelling of the crumpling process of a paper sheet

ROHMER, Serge; MERAT, Alexis; FLODERER, Vincent; COPINET, Alain

University of Technology of Troyes

A graph-based approach to CAD modeling: a digital pattern application to the sizing and modeling of manual transverse gearboxes

LANZOTTI, Antonio; PATALANO, Stanislao; VITOLO, Ferdinando

UNIVERSITY OF NAPLES FEDERICO II

Optimal dimensioning for the transmission shaft of a longitudinal gearbox

GERBINO, S; LANZOTTI, S.; PATALANO, S.; RUFRANO, V.; VITOLO, F

UNIVERSITY OF NAPLES FEDERICO II, UNIVERSITY OF MOLISE

Adding value to natural fiber reinforced materials by means of product design and development

JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier

University of Girona

Masonry Vaults: The efficiency of geometry

FORTEA, Manuel; REYES, Antonio Manuel; CANITO, José Luis; GARCÍA, Justo

Universidad de Extremadura

Associative modeling of manufacturing information in CAD-Systems

FASSI FIHRI, Nabil; GOTTWALD, Martin; DENEUX, Dominique; BOHN, Martin

ENSIAME / DAIMLER

Towards new processes to reverse engineering of digital mock-ups from a set of heterogeneous data

BRUNEAU, Marina; DURUPT, Alexandre; ROUCOULES, Lionel; PERNOT, Jean-Philippe

Université de Technologie de Compiègne

Design of a Cupola to Download Concrete

MIRALBES, Ramon; RANZ, David; COMAS, Roger; SANTOLAYA, Jose Luis

University of Zaragoza

INTEGRATED PRODUCT AND PROCESSES DESIGN

Freeform surfaces adaptation through developable strips.

GONZALEZ QUINTIAL, Francisco; SANCHEZ PARANDIET, Antonio UPV-EHU

Adding value to natural fiber reinforced materials by means of product design and development

JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier University of Girona

RISK PREVENTION INFORMATION TECHNOLOGY FOR GLOBAL DESIGN MANUFACTURING

Design of a Cupola to Download Concrete

MIRALBES, Ramon; RANZ, David; COMAS, Roger; SANTOLAYA, Jose Luis University of Zaragoza

PROCESS ENGINEERING

ADVANCED MANUFACTURING

Verification of positional tolerances with a 3D non-contact measurement method

MINGUEZ, Rikardo; ARIAS, Agustin; ETXANIZ, Olatz; SOLABERRIETA, Eneko; BARRENETXEA, Lander; OLANO Aitor

University of the Basque Country UPV/EHU

Freeform surfaces adaptation through developable strips.

GONZALEZ QUINTIAL, Francisco; SANCHEZ PARANDIET, Antonio UPV-EHU

ENGINEERING METHODS IN MEDICINE

Human skeletal system virtualization by using solid voxels models

ALONSO, Jorge; ÁLVAREZ, Rafael; ROCES, Jorge

Universidad de Oviedo

GREEN ENGINEERING DESIGN AND INNOVATION

Adding value to natural fiber reinforced materials by means of product design and development JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier University of Girona

INSPECTION AND REVERSE ENGINEERING TECHNIQUES

Verification of positional tolerances with a 3D non-contact measurement method

MINGUEZ, Rikardo; ARIAS, Agustin; ETXANIZ, Olatz; SOLABERRIETA, Eneko; BARRENETXEA, Lander; OLANO Aitor

University of the Basque Country UPV/EHU

KNOWLEDGE BASED ENGINEERING

Towards new processes to reverse engineering of digital mock-ups from a set of heterogeneous data BRUNEAU, Marina; DURUPT, Alexandre; ROUCOULES, Lionel; PERNOT, Jean-Philippe Université de Technologie de Compiègne

REVERSE ENGINEERING

Towards new processes to reverse engineering of digital mock-ups from a set of heterogeneous data BRUNEAU, Marina; DURUPT, Alexandre; ROUCOULES, Lionel; PERNOT, Jean-Philippe Université de Technologie de Compiègne

Alelhomology between conics

FERNANDEZ RODRIGUEZ, Manuel

Universidad de Oviedo

ROBUST MANUFACTURING

Ergonomic design of an object detector device for blind people

LENGUA, Ismael; DUNAI, Larisa; PERIS FAJARNÉS, Guillermo; DEFEZ, Beatriz

Universitat Politècnica de València

MANAGEMENT

REPRESENTATION TECHNIQUES

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO, Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

Alelhomology between conics

FERNANDEZ RODRIGUEZ, Manuel

Universidad de Oviedo

Mobile device application to calculate and simulate energy expenditure in households using CAD tools

ÁLVAREZ PEÑÍN, Pedro Ignacio; BUSTO PARRA, Bernardo; PANDO CERRA, Pablo

Oviedo

New trends in e-learning platforms and content management for learning in engineering

LENGUA, Ismael; DUNAI, Larisa; PERIS FAJARNÉS, Guillermo; DEFEZ, Beatriz

Universitat Politècnica de València

Engineering and Architecture Applications based on Unmanned Aerial Vehicles, UAV

CARVAJAL, Fernando; AGÜERA, Francisco; PÉREZ, Mónica

University of Almeria

LEARNING AND KNOWLEDGE

ADAPTATION TO THE EUROPEAN HIGHER EDUCATION AREA (EHEA)

Comparative analysis of a university learning experience. Classroom mode versus distance mode.

FÁBREGAS RUESCAS, Juan José; HERNANDEZ ABAD, Francisco; HERNANDEZ ABAD, Vicente; ROJAS SOLA, José Ignacio

Universidad Politécnica de Cataluña

Teaching methodology of the subject @Graphic Expression@ using Web - based CAD tools

PANDO CERRA, Pablo; ÁLVAREZ PEÑÍN, Pedro Ignacio; BUSTO PARRA, Bernardo

Universidad de Oviedo

Incorporation of constructivist techniques for the improvement of the tutored teaching in computer based classrooms

ROCES, Jorge; ÁLVAREZ, Rafael; ALONSO, Jorge

Universidad de Oviedo

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO, Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

Teaching practice for subjects of graphic expression through project-based learning

MARÍN GRANADOS, Manuel Damián; BLÁZQUEZ PARRA, Elidia Beatriz; GUTIERREZ ARIZA, Francisco Javier; LADRÓN DE GUEVARA MUÑOZ, Mª Luisa; LADRÓN DE GUEVARA MUÑOZ, Mª Carmen UNIVERSIDAD DE MÁLAGA

GEOMETRIC MODELING AND ANALYSIS

Teaching geometric modeling and analysis of tensegrity structures

GOMEZ JAUREGUI, Valentin; OTERO, Cesar; ARIAS, Ruben; MANCHADO, Cristina

Universidad de Cantabria

Freeform surfaces adaptation through developable strips.

GONZALEZ QUINTIAL, Francisco; SANCHEZ PARANDIET, Antonio

UPV-EHU

An Algorithm for Complex Surfaces Modelling Using MatLab

PÉREZ VÁZQUEZ, Manuel; VÁZQUEZ PAZ, José

Universidade de Vigo

GEOMETRICAL SPECIFICATIONS AND TOLERANCES

Associative modeling of manufacturing information in CAD-Systems

FASSI FIHRI, Nabil; GOTTWALD, Martin; DENEUX, Dominique; BOHN, Martin

ENSIAME / DAIMLER

Knowledge driven verification of positional tolerances

CONCHERI, Gianmaria; MILANESE, Vitaliano (2)

Università di Padova (1), Università di Udine (2)

RENEWING THE EDUCATIONAL METHODOLOGIES OF TECHNICAL DRAWING AND OTHER ASSOCIATED SUBJECTS

Teaching geometric modeling and analysis of tensegrity structures

GOMEZ JAUREGUI, Valentin; OTERO, Cesar; ARIAS, Ruben; MANCHADO, Cristina

Universidad de Cantabria

Comparative analysis of a university learning experience. Classroom mode versus distance mode.

FÁBREGAS RUESCAS, Juan José; HERNANDEZ ABAD, Francisco; HERNANDEZ ABAD, Vicente; ROJAS SOLA, José Ignacio

Universidad Politécnica de Cataluña

Teaching methodology of the subject @Graphic Expression@ using Web - based CAD tools

PANDO CERRA, Pablo; ÁLVAREZ PEÑÍN, Pedro Ignacio; BUSTO PARRA, Bernardo

Universidad de Oviedo

Incorporation of constructivist techniques for the improvement of the tutored teaching in computer based classrooms

ROCES, Jorge; ÁLVAREZ, Rafael; ALONSO, Jorge

Universidad de Oviedo

The educational use of CAD tools for technology education

LAVABRE, Renaud; LABEILLE, Didier; BONZOM Christian; STEPHAN, Pierre

Institut Clément Ader (ICA / Toulouse

New trends in e-learning platforms and content management for learning in engineering

LENGUA, Ismael; DUNAI, Larisa; PERIS FAJARNÉS, Guillermo; DEFEZ, Beatriz

Universitat Politècnica de València

TEACHING PRODUCT DESIGN AND TECHNICAL DRAWING HISTORY

A coherent teaching program for a course of product design at master degree level

RIZZUTI, Sergio

University of Calabria - DIMEG

Evolution of the graphic representation of utility networks in urban planning plans

GOMIS S., Jordi; TURÓN R., Carlos

Universitat Rovira i Virgili

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO, Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

The educational use of CAD tools for technology education

LAVABRE, Renaud; LABEILLE, Didier; BONZOM Christian; STEPHAN, Pierre

Institut Clément Ader (ICA / Toulouse

TOLERANCE AND DESIGN MANUFACTURING

Associative modeling of manufacturing information in CAD-Systems

FASSI FIHRI, Nabil; GOTTWALD, Martin; DENEUX, Dominique; BOHN, Martin

ENSIAME / DAIMLER

VIRTUAL REALITY, MODELING

ADVANCED PROTOTYPING

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

NUGRAHA BAHAR, Yudi; LANDRIEU, Jérémie; PERE, Christian; NICOLLE, Christophe

Arts et Metiers ParisTech France

Freeform surfaces adaptation through developable strips.

GONZALEZ QUINTIAL, Francisco; SANCHEZ PARANDIET, Antonio UPV-EHU

Method for 3D printing of highly complex geometries: The first @flat torus@ printed in 3D

HENOCQUE, Thierry; MARIN Philippe

University of Grenoble / AIP Primeca Dauphine-Savoie

BEHAVIORAL SIMULATION

Analytical study of an interference fit fastener assembly

PAREDES, Manuel; SARTOR, Marc; NEFISSI, Naoufel

INSA, Institut Clément Ader

A new methodology to evaluate the flying shape of a sail

INGRASSIA, Tommaso; NIGRELLI, Vincenzo; GELSOMINO, Gabriella Università degli Studi di Palermo

INTERACTIVE VIRTUAL

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

NUGRAHA BAHAR, Yudi; LANDRIEU, Jérémie; PERE, Christian; NICOLLE, Christophe

Arts et Metiers ParisTech France

METHODS AND SIMULATION FOR ASSEMBLY DESIGN

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO,
Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

PLM

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO,
Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

Towards new processes to reverse engineering of digital mock-ups from a set of heterogeneous data BRUNEAU, Marina; DURUPT, Alexandre; ROUCOULES, Lionel; PERNOT, Jean-Philippe Université de Technologie de Compiègne

SIMULATION AND VIRTUAL APPROACHES

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

NUGRAHA BAHAR, Yudi; LANDRIEU, Jérémie; PERE, Christian; NICOLLE, Christophe

Arts et Metiers ParisTech France

Survey of jointed rock mass from 3D point clouds for the wedge stability analysis

MENÉNDEZ DÍAZ, Agustín; ORDÓÑEZ GALÁN, Celestino; BOUZA RODRÍGUEZ, Benito; GARCÍA CORTÉS,
Silverio

Universidad de Oviedo

Performance Evaluation of CUDA programming for machining simulation

ABECASSIS, Felix; LAVERNHE, Sylvain; TOURNIER, Christophe; BOUCARD, Pierre-Alain Ecole Normale Supérieure de Cachan

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO,
Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

Virtual simulation of chimney shaft of Valdeazogues

ALMANSA, Emiliano; FUENTES, Demetrio; MONTES TUBIO, Francisco de Paula; CASTRO, Miguel.

UCLM / UCO

3D Land Models with simple modeling tools

SANTAMARÍA, Jacinto; SANZ, Félix

UNIVERSIDAD DE LA RIOJA

VIRTUAL AND AUGMENTED REALITY

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

NUGRAHA BAHAR, Yudi; LANDRIEU, Jérémie; PERE, Christian; NICOLLE, Christophe

Arts et Metiers ParisTech France

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO, Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

A global approach of the intermediary object: A case study in virtual environment

AL KHATIB, Ahmad; MAHDJOUB, Morad; BLUNTZER, Jean-Bernard; SAGOT, Jean-Claude.

Université de technologie Belfort-Montbéliard

VIRTUAL AND GEOMETRIC MODELS

Survey of jointed rock mass from 3D point clouds for the wedge stability analysis

MENÉNDEZ DÍAZ, Agustín; ORDÓÑEZ GALÁN, Celestino; BOUZA RODRÍGUEZ, Benito; GARCÍA CORTÉS, Silverio

Universidad de Oviedo

3D Human Face Modelling: Soft Tissues Landmarking

ZOMPI, Antonio; TORNINCASA, Stefano; VEZZETTI, Enrico; MOOS, Sandro; VIOLANTE, Mariagrazia; MARCOLIN, Federica

DIGEP-Politecnico di Torino

Teaching geometric modeling and analysis of tensegrity structures

GOMEZ JAUREGUI, Valentin; OTERO, Cesar; ARIAS, Ruben; MANCHADO, Cristina

Universidad de Cantabria

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO, Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

Geometric documentation of mining industrial historical heritage: application to a metallic headframe from the ancient mining district in Linares-La Carolina (Jaen)

MONTALVO GIL, Juan Manuel; ROJAS SOLA, José Ignacio; CASTRO GARCÍA, Miguel

Universidad de Jaén

Adding value to natural fiber reinforced materials by means of product design and development

JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier University of Girona

Geometric documentation of the flour factory El puente Colgante in Aranjuez (Madrid)

MILLÁN GHISLERI, Juan; ROJAS SOLA, José Ignacio; SAN ANTONIO GÓMEZ, Carlos

Technical University of Madrid & University of Jaén

Geometric documentation of mining industrial historical heritage: application to a Cornish pumping engine house from the ancient mining district in Linares-La Carolina (Jaen)

ROJAS SOLA, José Ignacio; MONTALVO GIL, Juan Manuel; CASTRO GARCÍA, Miguel UNIVERSIDAD DE JAÉN

Engineering and Architecture Applications based on Unmanned Aerial Vehicles, UAV

CARVAJAL, Fernando; AGÜERA, Francisco; PÉREZ, Mónica

University of Almeria

VIRTUAL ENVIRONMENT AND PROTOTYPING FOR HUMAN HEALTH

3D Human Face Modelling: Soft Tissues Landmarking

ZOMPI, Antonio; TORNINCASA, Stefano; VEZZETTI, Enrico; MOOS, Sandro; VIOLANTE, Mariagrazia; MARCOLIN, Federica

DIGEP-Politecnico di Torino

Design and processing of a virtual female pelvic cavity for gynecological and obstetrical teaching of medical students

PATROUIX, Laurent; QUAEGEBEUR, Philippe; GIRAUDET, Géraldine; BRIEU, Mathias; COSSON, Michel; LECOMTE, Pauline.

Ecole Centrale de Lille

A global approach of the intermediary object: A case study in virtual environment

AL KHATIB, Ahmad; MAHDJOUB, Morad; BLUNTZER, Jean-Bernard; SAGOT, Jean-Claude.

Université de technologie Belfort-Montbéliard

COMPUTING

CAE, CAD

CAD Data Workflow toward the Thermal Simulation and Visualization in Virtual Reality

NUGRAHA BAHAR, Yudi; LANDRIEU, Jérémie; PERE, Christian; NICOLLE, Christophe

Arts et Metiers ParisTech France

Teaching geometric modeling and analysis of tensegrity structures

GOMEZ JAUREGUI, Valentin; OTERO, Cesar; ARIAS, Ruben; MANCHADO, Cristina

Universidad de Cantabria

Performance Evaluation of CUDA programming for machining simulation

ABECASSIS, Felix; LAVERNHE, Sylvain; TOURNIER, Christophe; BOUCARD, Pierre-Alain

Ecole Normale Supérieure de Cachan

A graph-based approach to CAD modeling: a digital pattern application to the sizing and modeling of manual transverse gearboxes

LANZOTTI, Antonio; PATALANO, Stanislao; VITOLO, Ferdinando

UNIVERSITY OF NAPLES FEDERICO II

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO, Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

Adding value to natural fiber reinforced materials by means of product design and development

JULIÁN, Fernando; VERDAGUER, Narcis; TRESSERRAS, Josep; ESPINACH, Francesc Xavier University of Girona

Associative modeling of manufacturing information in CAD-Systems

FASSI FIHRI, Nabil; GOTTWALD, Martin; DENEUX, Dominique; BOHN, Martin

ENSIAME / DAIMLER

Geometrical definition and virtual reconstruction of the vertical cage and horizontal plate presses for extraction grape must

RAMIREZ FUENTES, M Angeles; CASTRO GARCÍA, Miguel; CARRANZA CAÑADAS, M Pilar; BURGOS LADRON DE GUEVARA, E; MONTES TUBIO, Francisco de Paula

Universidad de Córdoba; Universidad de Jaén

Towards new processes to reverse engineering of digital mock-ups from a set of heterogeneous data

BRUNEAU, Marina; DURUPT, Alexandre; ROUCOULES, Lionel; PERNOT, Jean-Philippe

Université de Technologie de Compiègne

Mobile device application to calculate and simulate energy expenditure in households using CAD tools ÁLVAREZ PEÑÍN, Pedro Ignacio; BUSTO PARRA, Bernardo; PANDO CERRA, Pablo

Oviedo

CAD Modeling and Simulation af a New Semi-Automatic Machine for Olive Oil Packaging

SPERANZA, Domenico

University of Cassino

IMAGE PROCESSING AND ANALYSIS

Radiometric Comparison between GeoEye-1 and WorldView-2 Panchromatic and Multispectral Imagery

AGUILAR, Manuel Ángel; SALDAÑA DÍAZ, María del Mar; AGUILAR, Fernando; FERNÁNDEZ LUQUE, Ismael

University of Almería

Implementation of Service-Learning Projects Based on Dynamic Documentation in Engineering Colleges

GARCÍA ALONSO, Jesús Manuel; SORIANO HERAS, Enrique; GARCÍA VICARIO, Imanol; BLAYA HARO, Fernando

CARLOS III DE MADRID, POLITÉCNICA DE MADRID, SALESIANOS ATOCHA

Impervious surface areas classification from GeoEye-1 satellite imagery using OBIA approach in a coastal area of Almeria (Spain)

FERNÁNDEZ LUQUE, Ismael; AGUILAR TORRES, Fernando J.; AGUILAR TORRES, Manuel A.; ÁLVAREZ TABOADA, Flor; SALDAÑA DÍAZ, María del Mar

University of Almeria

Ergonomic design of an object detector device for blind people

LENGUA, Ismael; DUNAI, Larisa; PERIS FAJARNÉS, Guillermo; DEFEZ, Beatriz

Universitat Politècnica de València

Detection of small features in flat-field images of astronomical cameras: application to the OSIRIS instrument on board the Rosetta (ESA) mission

BENITEZ, Alicia D.; LARA, Luisa M.;

Instituto de Astrofísica de Andalucía (IAA-CSIC)

CIVIL ENGINEERING

AUTOMOTIVE

Associative modeling of manufacturing information in CAD-Systems

FASSI FIHRI, Nabil; GOTTWALD, Martin; DENEUX, Dominique; BOHN, Martin

ENSIAME / DAIMLER

Proposal about the design and the choice of road signs

ROVIDA, Edoardo; VIGANO, Roberto;

Politecnico di Milano - Dipartimento di Meccanica

BUILDING INFORMATION MODELING

Represent mean condense complex information: the updating of new media for the construction field

LO TURCO, Massimiliano; NOVELLO, Giuseppa

Politecnico di Torino

Engineering and Architecture Applications based on Unmanned Aerial Vehicles, UAV

CARVAJAL, Fernando; AGÜERA, Francisco; PÉREZ, Mónica

University of Almeria

INNOVATIVE METHODS IN ARCHITECTURAL DESIGN

Teaching geometric modeling and analysis of tensegrity structures

GOMEZ JAUREGUI, Valentin; OTERO, Cesar; ARIAS, Ruben; MANCHADO, Cristina

Universidad de Cantabria

Freeform surfaces adaptation through developable strips.

GONZALEZ QUINTIAL, Francisco; SANCHEZ PARANDIET, Antonio

UPV-EHU

Represent mean condense complex information: the updating of new media for the construction field

LO TURCO, Massimiliano; NOVELLO, Giuseppa

Politecnico di Torino

Engineering and Architecture Applications based on Unmanned Aerial Vehicles, UAV

CARVAJAL, Fernando; AGÜERA, Francisco; PÉREZ, Mónica

University of Almeria

NAUTICAL, AERONAUTICS AND AEROSPACE DESIGN AND MODELING

Analytical study of an interference fit fastener assembly

PAREDES, Manuel; SARTOR, Marc; NEFISSI, Naoufel

INSA, Institut Clément Ader

SURVEYING MAPPING AND GIS TECH

Survey of jointed rock mass from 3D point clouds for the wedge stability analysis

MENÉNDEZ DÍAZ, Agustín; ORDÓÑEZ GALÁN, Celestino; BOUZA RODRÍGUEZ, Benito; GARCÍA CORTÉS, Silverio

Universidad de Oviedo

Remote Sensing for Monitoring the Effects of Agricultural Policies: the Case of the Irrigated Area of Tadla Azilal (Morocco)

NEMMAOUI, Abderrahim; AGUILAR, F.J.; GARCÍA LORCA, A.; AGUILAR, M.A.

University of Almeria

Impervious surface areas classification from GeoEye-1 satellite imagery using OBIA approach in a coastal area of Almeria (Spain)

FERNÁNDEZ LUQUE, Ismael; AGUILAR TORRES, Fernando J.; AGUILAR TORRES, Manuel A.; ÁLVAREZ TABOADA, Flor; SALDAÑA DÍAZ, María del Mar

University of Almeria

GIS analysis for settlements accuracy study on Madrid Province (AGE Tomas Lopez 1804)

FERNÁNDEZ SÁNCHEZ, José Salvador; MANZANO AGUGLIARO, Francisco; SAN ANTONIO GÓMEZ, Carlos

University of Almeria/ Polytechnic University of Madrid

3D Land Models with simple modeling tools

SANTAMARÍA, Jacinto; SANZ, Félix

UNIVERSIDAD DE LA RIOJA

Engineering and Architecture Applications based on Unmanned Aerial Vehicles, UAV

CARVAJAL, Fernando; AGÜERA, Francisco; PÉREZ, Mónica

University of Almeria

TRANSPORTS

Proposal about the design and the choice of road signs

ROVIDA, Edoardo; VIGANO, Roberto;

Politecnico di Milano - Dipartimento di Meccanica

