

## D. Rubén Nicolàs Sans

### Doctor en Ciencias de la Computación e Inteligencia Artificial

Título de la Tesis Doctoral: " Ayuda Al Diagnostic De Cancer De Melanoma Amb Raonament Analogic Multietiqueta"  
ETSEI La Salle UNIVERSITAT RAMON LLULL, Dpto: Informatica. ESPAÑA, 2014.

### PostGrado

- MBA, MASTER BUSINESS ADMINISTRATION  
ESIC. ESPAÑA, 2014.
- MPC, MASTER EN DIRECCIÓN DE COMUNICACIÓN Y GESTIÓN PUBLICITARIA  
ESIC. ESPAÑA, 2013.

### Formación Universitaria

- EN INGENIERIA INFORMÁTICA, ETSEI La Salle UNIVERSITAT RAMON LLULL. ESPAÑA, 2008.
- EN INGENIERIA TÉCNICA INFORMÁTICA DE SISTEMAS, ETSEI La Salle UNIVERSITAT RAMON LLULL.  
ESPAÑA. 2005-

### Experiencia Profesional

- INVESTIGADOR. ETSEI La Salle UNIVERSITAT RAMON LLULL. 2007-2010

### Experiencia Docente

- La Salle - Universitat Ramon Llull - Asignatura: Estructuras de datos Curso 2006/2007
- La Salle - Universitat Ramon Llull - Asignatura: Metodología del Software Curso 2006/2007
- La Salle -Universitat Ramon Llull - Asignatura: Inteligencia Artificial Curso 2007/2008
- La Salle - Universitat Ramon Llull - Asignatura: Inteligencia Artificial Curso 2008/2009
- La Salle - Universitat Ramon Llull - Asignatura: Programación I Curso 2005/2006
- La Salle - Universitat Ramon Llull - Asignatura: Introducción a los ordenadores Curso 2005/2006
- ESIC: Business & Marketing School - Asignatura: Matemáticas empresariales Curso 2016/2017
- ESIC: Business & Marketing School - Asignatura: Informática aplicada al marketing Curso 2016/2017
- ESIC: Business & Marketing School - Asignatura: Tecnologías multimedia Curso 2016/2017
- ESIC: Business & Marketing School - Asignatura: Informática para la gestión empresarial Curso 2016/2017
- ESIC: Business & Marketing School - Asignatura: Informática para la gestión empresarial Curso 2015/2016
- ESIC: Business & Marketing School - Asignatura: Métodos y previsión de ventas Curso 2015/2016
- ESIC: Business & Marketing School - Asignatura: Previsión de ventas Curso 2016/2017
- ESIC: Business & Marketing School - Asignatura: Previsión de ventas Curso 2015/2016

### Miembro de

- GRUPO DE INVESTIGACIÓN EN SISTEMAS INTELIGENTES (GRSI). 2005-2014
- PROYECTO: MARCO INTEGRADOR PARA EL DESARROLLO DE SISTEMAS CASE-BASED REASONING,  
TIN2006-15140-C03-03, MINISTERIO DE CIENCIA Y TECNOLOGIA, 2006-2009

### Líneas de Investigación

- INTELIGENCIA ARTIFICIAL.

### Artículos

- R. NICOLAS, A. FORNELLS, E. GOLOBARDES, G. CORRAL, S. PUIG, AND J. MALVEHY, "DERMA: A MELANOMA DIAGNOSIS PLATFORM BASED ON COLLABORATIVE MULTI-LABEL ANALOG REASONING," THE SCIENTIFIC WORLD JOURNAL, ARTICLE ID 351518, VOL 2014:1-11, 2014. JCR IMPACT FACTOR: 1,730 (Q1).
- R. NICOLAS, A. FORNELLS, E. GOLOBARDES, G. CORRAL, S. PUIG, AND J. MALVEHY, "MELANOMA DIAGNOSIS BASED ON COLLABORATIVE MULTI-LABEL REASONING," IN FRONTIERS IN ARTIFICIAL INTELLIGENCE AND APPLICATIONS, VOL. 256, PAGES 283 – 292. IOS PRESS, 2013.
- R. NICOLAS, A. SANCHO-ASENSIO, E. GOLOBARDES, A. FORNELLS, AND A. ORRIOLS-PUIG, "MULTI-LABEL

CLASSIFICATION BASED ON ANALOG REASONING," EXPERT SYSTEMS WITH APPLICATIONS JOURNAL, VOL. 40(15): 5924–5931, 2013. JCR IMPACT FACTOR: 1,854 (Q1).

- D. VERNET, R. NICOLAS, E. GOLOBARDES, A. FORNELLS, AND A. GARCIA-PIQUER, "INTELLIGENT TUTORING SYSTEM FRAMEWORK FOR THE ACQUISITION OF KNOWLEDGE AND COMPETENCES," IN 40TH ASEE/IEEE FRONTIERS IN EDUCATION (FIE) CONFERENCE, PP. 111–112, IEEE, 2010. Core B Conference.
- R. NICOLAS, D. VERNET, E. GOLOBARDES, A. FORNELLS, F. DE LA TORRE, AND S. PUIG, "DISTANCE METRIC LEARNING IN A COLLABORATIVE MELANOMA DIAGNOSIS SYSTEM WITH CASE-BASED REASONING," IN PROCEEDINGS OF THE 14TH UNITED KINGDOM WORKSHOP ON CASE-BASED REASONING AT THE 29TH SGAI INTERNATIONAL CONFERENCE ON INNOVATIVE TECHNIQUES AND APPLICATIONS OF ARTIFICIAL INTELLIGENCE, CMS PRESS, PP. 58–66, 2009.
- R. NICOLAS, D. VERNET, E. GOLOBARDES, A. FORNELLS, S. PUIG, AND J. MALVEHY, "IMPROVING THE COMBINATION OF CBR SYSTEMS WITH PREPROCESSING RULES IN MELANOMA DOMAIN," IN WORKSHOP PROCEEDINGS OF THE 8TH INTERNATIONAL CONFERENCE ON CASE-BASED REASONING, SEATTLE, WA, USA, PP. 225–234, 2009. Core B Conference  
R. NICOLAS, E. GOLOBARDES, A. FORNELLS, S. SEGURA, S. PUIG, C. CARRERA, J. PALOU, AND J. MALVEHY, "USING ENSEMBLE-BASED REASONING TO HELP EXPERTS IN MELANOMA DIAGNOSIS," IN FRONTIERS IN ARTIFICIAL INTELLIGENCE AND APPLICATIONS, VOL 184, PP. 178–185, IOS PRESS, 2008.
- D. VERNET, R. NICOLAS, E. GOLOBARDES, A. FORNELLS, C. GARRIGA, S. PUIG, AND J. MALVEHY, "PATTERN DISCOVERY IN MELANOMA DOMAIN USING PARTITIONAL CLUSTERING," IN FRONTIERS IN ARTIFICIAL INTELLIGENCE AND APPLICATIONS, VOL. 184, PP. 323–330, IOS PRESS, 2008.  
R. NICOLAS, E. GOLOBARDES, A. FORNELLS, S. PUIG, AND J. MALVEHY, "ESTUDI DE LES CARACTERÍSTIQUES DEL DOMINI DEL MELANOMA (CODE: 071208)," TECH. REP., EALS-URL, 2008.
- R. NICOLAS, E. GOLOBARDES, A. FORNELLS, S. PUIG, C. CARRERA, AND J. MALVEHY, "IDENTIFICATION OF RELEVANT KNOWLEDGE FOR CHARACTERIZING THE MELANOMA DOMAIN," IN ADVANCES IN SOFT COMPUTING, VOL. 49, PP. 55–59, SPRINGER BERLIN-HEIDELBERG, 2008.

#### Conferencias

- R. NICOLAS, A. FORNELLS, E. GOLOBARDES, G. CORRAL, S. PUIG, J. MALVEHY, MELANOMA DIAGNOSIS BASED ON COLLABORATIVE MULTI-LABEL REASONING, PONENCIA, 16È. CONGRÉS INTERNACIONAL DE L'ASSOCIACIÓ CATALANA D'INTEL·LIGÈNCIA ARTIFICIAL, VIC, ESPAÑA, 2013, CATALAN ASSOCIATION FOR ARTIFICIAL INTELLIGENCE (ACIA)
- D. VERNET, R. NICOLAS, E. GOLOBARDES, A. FORNELLS, A. GARCIA-PIQUER, INTELLIGENT TUTORING SYSTEM FRAMEWORK FOR THE ACQUISITION OF KNOWLEDGE AND COMPETENCES, PONENCIA, 40TH ASEE/IEEE FRONTIERS IN EDUCATION (FIE) CONFERENCE, ARLINGTON, VA, USA, 2010, ASEE/IEEE
- R. NICOLAS, D. VERNET, E. GOLOBARDES, A. FORNELLS, F. DE LA TORRE, S. PUIG, DISTANCE METRIC LEARNING IN A COLLABORATIVE MELANOMA DIAGNOSIS SYSTEM WITH CASE-BASED REASONING, PONENCIA, 29TH SGAI INTERNATIONAL CONFERENCE ON INNOVATIVE TECHNIQUES AND APPLICATIONS OF ARTIFICIAL INTELLIGENCE, CAMBRIDGE, UK, 2009, BRITISH COMPUTER SOCIETY'S SPECIALIST GROUP ON ARTIFICIAL INTELLIGENCE (SGAI)
- R. NICOLAS, D. VERNET, E. GOLOBARDES, A. FORNELLS, S. PUIG, J. MALVEHY, IMPROVING THE COMBINATION OF CBR SYSTEMS WITH PREPROCESSING RULES IN MELANOMA DOMAIN, PONENCIA, 8TH INTERNATIONAL CONFERENCE ON CASE-BASED REASONING, SEATTLE, WA, USA, 2009, ASSOCIATION FOR THE ADVANCEMENT OF ARTIFICIAL INTELLIGENCE (AAAI)
- R. NICOLAS, E. GOLOBARDES, A. FORNELLS, S. SEGURA, S. PUIG, C. CARRERA, J. PALOU, J. MALVEHY, USING ENSEMBLE-BASED REASONING TO HELP EXPERTS IN MELANOMA DIAGNOSIS, POSTER, 11È. CONGRÉS INTERNACIONAL DE L'ASSOCIACIÓ CATALANA D'INTEL·LIGÈNCIA ARTIFICIAL, SANT MARTÍ D'EMPURIES, ESPAÑA, 2008, CATALAN ASSOCIATION FOR ARTIFICIAL INTELLIGENCE (ACIA)
- D. VERNET, R. NICOLAS, E. GOLOBARDES, A. FORNELLS, C. GARRIGA, S. PUIG, J. MALVEHY, PATTERN DISCOVERY IN MELANOMA DOMAIN USING PARTITIONAL CLUSTERING, POSTER, 11È. CONGRÉS INTERNACIONAL DE L'ASSOCIACIÓ CATALANA D'INTEL·LIGÈNCIA ARTIFICIAL, SANT MARTÍ D'EMPURIES, ESPAÑA, 2008, CATALAN ASSOCIATION FOR ARTIFICIAL INTELLIGENCE (ACIA)
- R. NICOLAS, E. GOLOBARDES, A. FORNELLS, S. PUIG, C. CARRERA, J. MALVEHY, IDENTIFICATION OF RELEVANT KNOWLEDGE FOR CHARACTERIZING THE MELANOMA DOMAIN, PONENCIA, 2ND INTERNATIONAL WORKSHOP ON PRACTICAL APPLICATIONS OF COMPUTATIONAL BIOLOGY AND BIOINFORMATICS, SALAMANCA, ESPAÑA, 2008, UNIVERSIDAD DE SALAMANCA

## Otros

- Estancia pre-doctoral en el Human Sensing Lab de Carnegie Mellon University, Pittsburgh, PA, USA, del 1/3/2009 al 30/9/2009
- Miembro de comités científicos: IIADIS Multi Conference on Computer Science and Information Systems, 2012-2014
- Revisor:
  - International Journal of Electrical Power & Energy Systems (IJPES), Impact Factor: 3,432 (1st quartile) 2015
  - Expert Systems With Applications (ESWA). Impact Factor: 1,854 (1st quartile) 2014