Curriculum Vitae of
Juan Gerardo Alcázar

Personal Information:

Date and Place of birth: 25th September 1970, Madrid (Spain)

Contact Address: Faculty of Sciences, Department of Mathematics, Ctra. Madrid-Barcelona Km 33,600. E-28871, Alcala de Henares (Madrid)

E-mail Address: juange.alcazar@uah.es

Web Page: www2.uah.es@juange_alcazar

Marital Status: married; one daughter.

Education:

- Bachelor in Mathematics, Universidad Complutense de Madrid (1995)

Research Interests:

Constructive (Real) Algebraic Geometry, Topology of Algebraic Varieties (computational approach), Offset Varieties, Computer Algebra, CAGD (Computer Aided Geometric Design).

Professional Experience:

- High School (Secondary School):
  - Mathematics Teacher at several Spanish high-schools between 1996 and 2007.
  - Civil servant, belonging to the Cuerpo de Profesores de Enseñanza Secundaria, especialidad Matematicas, de la Comunidad de Castilla-la-Mancha (Spain) from 1998; currently on leave of absence.

- University:
  - Adjunct Professor at the Mathematics Department of the Universidad de Alcala (2005-2007).
  - Assistant Professor at the Universidad de Alcala (2007-now).
· Vice-Chair of the Mathematics Department of Universidad de Alcala (Dic. 2009-now).

Courses lectured:

· Calculus and Numeric Methods (Faculty of Informatics)
· Calculus (Faculty of Engineering)
· Complex Analysis and Differential Equations (Faculty of Engineering)
· Data Analysis (Faculty of Environmental Sciences)
· Complements of Mathematics (Master on Secondary School Teaching)
· Statistics (Faculty of Environmental Sciences)
· Math Refreshing Course (Faculty of Biology, Fac. of Chemistry, Fac. of Engineering)

Awards:

Extraordinary Doctoral Prize, Universidad de Alcala, 2008.
Prize Innovation Groups of the Universidad de Alcala

Publications in Refereed Journals (reverse chronological order):


Publications in (refereed) Conference Proceedings:


**Chapters of Books:**

**Other Publications (Research):**

**Other Publications (Education):**

**Posters:**

TALKS GIVEN:

• Congresses (research):


• Congresses (education):


• Seminars, etc. (research):

Mathematics for Applications, Oslo (Norway), September 2010.


• Seminars, etc. (education):

1. Alcazar J.G. (2010), “Introduction to Moodle”, within the seminar ”Moodle, Wiris, Geogebra” lectured by the group LibreTics at the Universidad de Alcala (open to all the people teaching at UAH)

RESEARCH STAYS:

1. Max-Planck Institute for Informatikk, Saarbrucken (Germany), Algorithms and Complexity Department, 11 weeks, March-May 2011.
2. Center of Mathematics for Applications, Oslo (Norway), five weeks, August-September 2010 (thanks to a grant in the frame of NILS Mobility Project).
3. RICAM (Johann Radon Institute for Computer and Applied Mathematics), Linz, Austria. One week (August 2007).

PARTICIPATION IN RESEARCH PROJECTS:


PATENTS, REGISTERED SOFTWARE, etc.

1. Critical (2010). Maple program for computing the topology types arising in a family of rational curves depending on a parameter. Author: Juan G. Alcazar, Copyright UAH (Univ. Alcala de Henares)
2. **Toppara2D** (2011). Maple program to compute the graph of a planar curve defined by means of a rational parametrization. Authors: Juan G. Alcazar, Gema Maria Diaz Toca. Copyright UAH (Univ. Alcala de Henares) and UM (Univ. Murcia).

3. **Toppara3D** (2011). Maple program to compute the graph of a space curve defined by means of a rational parametrization. Authors: Juan G. Alcazar, Gema Maria Diaz Toca. Copyright UAH (Univ. Alcala de Henares) and UM (Univ. Murcia).

**Languages Spoken:**

English language, correctly written, fluently spoken.

**Other Research Merits:**

- Member of the network on Symbolic Computation EACA (financed by spanish Ministerio de Educacion y Ciencia a traves del proyecto MTM2004-21958-E).

**Other Education Merits:**

- Member of the innovation group in Mathematics teaching Innovamatuah (Universidad de Alcala, 2008-2009), and of the innovation group LibreTics (2009-now)
- Head of the innovation group in Mathematics teaching LibreTics (Universidad de Alcala, 2009-2010).
- Participation in the following projects on innovation in Mathematics teaching:
Other Interests:

Literature, Cinema, Art