

# International Ideas Competition

**Félix Candela** 1910-2010  
*the achievement of the slenderness*

Sponsor Sika, S.A.U.

3 prices 1.000 euros - 3 accésit 500 euros

# International Ideas Competition

Madrid Polytechnic University together with Juanelo Turriano Foundation, through Superior Technical School of Architecture and Superior Technical School of Civil Engineering launches the "International Ideas Competition" because of the activities programmed to commemorate the centenary of the birth of the distinguished Spanish Architect **FELIX CANDELA** (1910-2010).

The sponsoring of this competition is carried out by the company Sika Spain.

Diffusion of Competition Announcement

The rules of this competition will be published through the web pages of the organizations that announce and promote it, as well as all those, Spanish and foreigner, that want to participate and provide support.

Madrid Polytechnic University [www.upm.es](http://www.upm.es)

Madrid Superior Technical School of Architecture [www.etsam.es](http://www.etsam.es)

Madrid Superior Technical School of Civil Engineering [www.caminos.upm.es](http://www.caminos.upm.es)

Juanelo Turriano Foundation [www.juaneloturriano.com](http://www.juaneloturriano.com)

Sika Spain [www.sika.es](http://www.sika.es)

## 1. OBJECTIVE OF THE IDEAS COMPETITION

The announced Ideas Competition has the basic objective that students from Polytechnic Universities get directly involved in the programmed activities to celebrate the tribute to Félix Candela.

1.1 Any student registered in a Technical University, Spanish or foreigner, can participate in the competition.

1.2 Any work submitted to the Competition can be carried out by only one student or by a group of several students without limitation of number.

## 2. PREREGISTRATION

In order to compete it is necessary and indispensable first of all to make the free preregistration by sending an e-mail to the address [felixcandela2010@yahoo.es](mailto:felixcandela2010@yahoo.es)

This e-mail must contain the following data:

- Name and surnames of the competitor/competitors
- DNI (Spanish) or passport number (foreigners)
- Name of Technical School or University where each competitor is registered

**Important:** preregistration does not mean the obligation to submit a work, nevertheless, to participate **is necessary to be previously preregistered.**

**Preregistration period:** September 15th to November 15th 2009

## 3. SUBJET MATTER: POSTER, DRAWINGS AND MODELS

3.1 The Competition will have three different sections:

- A) Poster with all the activities programmed to celebrate Felix Candela's centenary.
- B) Drawings about Félix Candela's work
- C) Models of Félix Candela's works

3.2 Each of the sections above mentioned is independent, so a student/group can compete in one, two or three of them (A) Poster, (B) Drawing, (C) Models.

#### **4. SECTION A: POSTER**

**4.1** The objective of this section is the design of an original Poster that announces the centenary of the birth of Candela (1910-2010).

**4.2** The poster will be presented vertically with the following measures: 50 centimetres wide and 70 centimetres high (50 x 70)

**4.3** The topic showed in the poster is of free choice by competitors, as well as technique, style and material used to make it.

**4.4** The poster will only show the following text: Félix Candela 1910-2010

Type, size and colour of this text is of free choice by the author or authors of the poster.

Later, the winner of the first prize will introduce in the poster the texts that the organizer committee requests to announce the three programmed activities.

#### **4.5 Presentation of the Poster**

To compete, it is indispensable to follow these rules:

**1<sup>a</sup>.** To be preregistered in the competition (see section 2 of these rules)

**2<sup>a</sup>.** Present the documentation within the dates showed in these rules

**3<sup>a</sup>.** Documentation for students from technical schools of Madrid Universities:

- Optional: Original of the poster (50 x 70 cm) perfectly wrapped, so it can not be seen or damaged. The slogan chosen by the entrant must be readable on the outer. Delivery of the original is not compulsory, as this competition intends to make participation of foreign students easy, and costs to send original would be high.

- Compulsory: sealed envelop on which the code or slogan chosen must be readable containing:

a) CD or DVD with the poster image in any type of file that warrants the possibility of its reproduction with the highest quality and with the same size as the original ( 50 x 70 cm )

b) Sealed envelop containing the full name, ID Card or passport number of entrant or team members, complete address, email and telephone number as well as name of school or university where entrant/entrants is/are registered.

**4<sup>a</sup>.** Documentation for students from technical schools from other cities from Spain or abroad:

To save delivery costs for students, there will be a responsible professor in each university outside Madrid (Spain and abroad). This professor will collect all the compulsory documentation mentioned in the above section and send it to the competition responsible. Each university will publish, together with these rules, the name of the responsible professor and the place for the presentation of works.

**4.6** The winning poster, once introduced changes in the texts, will be used to announce the three programmed activities: presentation of the tribute book, commemorative exhibition and technical conferences, as there will only be one representative and recognizable image for all the programmed activities to commemorate the centenary of Félix Candela.

#### **5. SECTION B: DRAWINGS**

**5.1** The objective of this section is to make an original drawing from one of Felix Candela's work.

**5.2** The work can be freely chosen, as well as the technique (pictorial or digital) and the use or not of colour.

**5.3** Entrants should use wit and imagination to decide the drawing to develop, as well as “the aspect” of Felix Candela’s work to highlight (geometric, constructive, structural,...)

Due to the geometric and structural richness of Candela’s work, drawings consisting in pure geometry space visions, drawings as a continuous sequence where the generation of final form is reproduced, drawings of formworks, structural performance diagrams... can be made. Also included in this section are the drawings obtained as a result of structural analysis carried out with different methods, as the Finite-Element Method.

**5.4** Though the drawing size is free, entrants must take into account that not winning works can be selected to be part of the commemorative exhibition of Felix Candela’s centenary.

### **5.5** Presentation of the Drawing

It is indispensable to compete to follow these rules:

**1<sup>a</sup>**. To be preregistered in the competition (see section 2 of these rules)

**2<sup>a</sup>**. To present the documentation within the dates show in these rules

**3<sup>a</sup>**. Documentation for all (Spanish and foreigners)

- Compulsory: sealed envelop on which the code or slogan chosen must be readable containing:

- a) CD or DVD with the la drawing image in any type of file that warrants the possibility of its reproduction with the highest quality.

- b) Sealed envelop containing the full name, ID Card or passport number of entrant or team members, complete address, email and telephone number as well as name of school or university where entrant/entrants is/are registered.

Same as with the previous section (Poster) to save delivery costs for students, there will be a responsible professor in each university outside Madrid (Spain and abroad). This professor will collect all the compulsory documentation mentioned in the above section and send it to the competition responsible. Each university will publish, together with these rules, the name of the responsible professor and the place for the presentation of works.

## **6. SECTION C: MODELS**

**6.1** The objective of this section is to make an original model from one of Felix Candela’s work.

**6.2** The work can be freely chosen, as well as the technique and the type of material.

**6.3** Models must be made with the clear idea of showing those more outstanding aspects of Felix Candela’s laminated structures. For this reason the models must not reproduce the physical environment of the constructed works but the geometric form of their structure, as a continuous solid (finished laminar structure), or as a discontinuous macla which represents the construction process (scaffolds and forms) or the geometric generation of its shape through the materialization of its generatrixes.

**6.4** Minimum size of the model will be determinate by one dimension of the ground plant of 30 cm in one of its sides and the maximum size for having 80 cm length in the ground plant.

**6.5** When choosing the material and technique, entrants must take into account that not winning works can be selected to be part of the commemorative exhibition of Felix Candela’s centenary.

## 6.6 Presentation of the Model

It is indispensable to compete to follow these rules:

1<sup>a</sup>. To be preregistered in the competition (see section 2 of these rules)

2<sup>a</sup>. To present the documentation within the dates show in these rules

3<sup>a</sup>. Documentation

- Compulsory

a) Original model

b) Sealed envelop (stuck to the model, easy to see) on which the code or slogan chosen must be readable. The envelop will contain: full name, ID Card or passport number of entrant or team members, complete address, e-mail and telephone number as well as name of school or university where entrant/entrants is/are registered.

c) Due to the high cost of sending the models from universities outside Madrid, only participants willing to bear the expense of sending their models to Madrid Superior Technical School of Architecture can compete in this section.

## 7. DELIVER TIME AND PLACE (POSTER/DRAWING/MODEL)

**15th November 2009** is the final date for receiving C) Model.

**15th December 2009** is the final date for receiving A) Poster and B) Drawing.

At Escuela Técnica Superior de Arquitectura. Subdirección de Alumnos.  
Avenida Juan de Herrera 4, Madrid

**Note:** in the case of foreign students and technical schools outsider Madrid, the responsible professor will send to Madrid by e-mail (posters and drawings, not models) all works presented the centre.

## 8. PRIZES AND DISTINCTIONS

8.1 Monetary prizes: 3 prizes of 1000 euros + 3 accessits of 500 euros

Section A) <b>Poster</b>	Prize	<b>1000 euros</b>
	Accessit	<b>500 euros</b>
Section B) <b>Drawing</b>	Prize	<b>1000 euros</b>
	Accessit	<b>500 euros</b>
Section C) <b>Model</b>	Prize	<b>1000 euros</b>
	Accessit	<b>500 euros</b>

8.2 Distinctions

Proposals presented in sections B and C (Drawing and Models) besides competing for the monetary prizes mentioned above, can have a special distinction being selected to be part of the commemorative exhibition of Félix Candela's Centenary.

The exhibition will be opened in February 2010 under the slogan:

**Félix Candela / The achievement of the slenderness**

## **9. THE JURY**

The jury will consist of representatives from the different organizations: Madrid Polytechnic University, Juanelo Turriano Foundation and Sika, as well as all those local and foreign universities with participant students.

Among many members of the jury it is expected to count on: Luis Maldonado Ramos (Director of Madrid Superior Technical School of Architecture), Pepa Cassinello (Exhibition Commissioner, Deputy Manager MSTSA), José Calavera Ruiz (Exhibition Adviser), José Antonio Torroja (Exhibition Adviser), Enrique González Valle (Exhibition Adviser), Bernardo Revuelta ( Director of Juanelo Turriano Foundation/ Exhibition Adviser), Julia Gómez Candela ( Exhibition Manager), Ángel González Lucas (Sika Spain General Manager), Mike Schlaich (TU Berlín. Alemania), Agostino Catalano (Facoltà di Ingegneria Molise. Italia), Juan Gerardo Oliva Salinas (UNAM. México)

Final composition of the jury will be published for the information of entrants in the webpages of all announcing organizations.

## **10. PUBLICATION OF THE RESULTS**

Results of the competition will be published through webpages of organizations involved in the announcement, as well as in the media and technical magazines.

Apart from this publishing, the authors of the winning proposals will be personally contacted.

## **11. AWARDS CEREMONY**

The awards ceremony will be a public event previously announced (place, date and time).