I. HEALTHY HOUSING AWARDS

I.1. OBJECTIVES

The Healthy Housing Awards are focused on researching in the field of sustainable and healthy architecture looking for people comfort by designing constructions integrated in the landscape with a balanced relation with the environment. The development of innovative approaches within this field is the main purpose of these awards. The integration of simulation tools for designing the buildings, following the European directives, has become one of the most demanded requirements while developing a project. With the necessity of providing students with the knowledge about the use of this simulation tools, this year Awards will pay a special attention on the integrations of these tools in the projects presented to the competition.

1.2. REQUIREMENTS

The influence of the location in the final result of the building makes the Awards ask for projects placed on special locations. Views, orientation or close environment could be the factors that condition the election of the plot and the building designed inside it.

The election of the plot is free. As a suggestion, a plot placed on the environmentally protected Golf Resort Las Colinas could be used as location.

The social group to whom the project must be addressed are European residents that use these houses for long periods, as a summer house for example, and it must be enough flexible for receiving visits from familiar during the year.

I.2.1. SUGGESTED LOCATION

Las Colinas Golf Resort is an environmentally protected sport facility where some exclusive housing are permitted. It is placed at the southeast part of Spain, within the province of Alicante and belonging to the municipality of Orihuela. It is 4 km inland and inside the natural park of Sierra Escalona.

Within the limits of the Golf Resort the Fundación Marjal provides a location where each participant can place their project.

According to this location, any other place with similar characteristics can be chosen for developing the project.

I.2.2. PROJECT REQUIREMENTS

The project will consist on designing a detached house inside a plot of 1.000 m2. The house can have maximum of two levels plus an underground level. The project must design the plot completely so the garden must be an essential part of the project and complementary uses, as a swimming pool, can be introduced.

The built area for the detached houses must be around 200 m2. Flexibility of space and the possibility of adapting the house to the different requirements that the family could have, during the year or in the number of persons along time, will be specially considered. Integration in landscape, low energy measures and healthy solutions are mandatory. The detached house must be placed inside the typology of courtyard houses. Gardening and water facilities can be a design tool inside the project towards sustainable solutions.

The project must be developed using BIM tools. It must be possible to evaluate the use of these tools at the end of the project.

Due to the international aim of this competition, all the proposals must be written in English.

Projects intellectual property will belong to the authors. If the International Marjal Healthy Chair or Fundación Marjal would like to use any idea defined in the winning proposal or another, in whole or in part, it will be always used under permission of the authors, signing an agreement, where the economic bases and responsibilities assumed by the team will be set out.

I.2.3. BUILDING MINIMUM PROGRAM

Detached House.
Maximum built area: 200 m2.
Minimum Program as flexible spaces: Living room, Kitchen, Bathroom, Bedroom, Working place.

I.3. PARTICIPANT TEAM CHARACTERISTICS

- Participants must work as a team. Individual participants will not be accepted.
- All the participants must be students from one of the partner institutions during the academic year 2014-15.
- The teams must have at least one student from Architecture that will act as coordinator.
- The teams can be completed with students from Architectural Technology, Technical Architecture, Civil Engineering or Building Engineering or their equivalents.
- Students from other specialties can participate as consultants and they will note be considered as members.

I.4. DOCUMENTS TO PRESENT

The documents to present will consist on all the descriptive part of the architectural project: location floor plan, plot plan, different level of houses plans, elevations, sections and perspectives.

Documents from the constructive part of the project, which justify the influence of the simulation tools in the process of designing the house, must be developed. The following constructive documents will be needed for justifying the level of sustainability:

- Constructive sections, defining façade and roof typology.
- Energetic Efficiency.
- Efficient water use.
- Domotics applied to sustainability.
- Life Costing Cycle Analysis of materials and building techniques.

Other documents not listed above can be included in the proposal.

All the documents needed to explain the proposal must be gathered in a maximum of three A1 panels fixed on a rigid support. A model will be specially considered.

I.5. DEVELOPMENT OF THE PROJECT AND SUBJECTS

Every partner institution will define the way that the projects will be developed. The students can participate in the competition as free teams or as a part of a subject.

Students must register as a free team or in the defined subject. Each institution responsible teacher will evaluate quality of the projects with the assistance of the member of the jury elected by the institution.

I.6. SUBMISSIONS DEADLINE

SPAIN: Projects must be delivered to the responsible teacher before June 8th 2015.

GERMANY/HOLLAND/DENMARK: Projects must be delivered to the responsible teacher at the end of the subject.

I.7. JURY AND PRIZES

One professor from the participant institutions Beuth Hochschule für Technik Berlin, Hogeschool van Amsterdam and the Copenhagen School of Design and Technology, Universidad de Alicante and the Head of Marjal Foundation, will integrate the jury.

The jury will evaluate and remark those projects that can relate best the design, the use of simulation tools for evaluating energy performance, among others, and the level of sustainability.

The maximum amount destined for these awards is 3.000 € and it is consigned in the budget of the Internacional Marjal.
Healthy Chair. The use of these funds is conditioned by the cash availability of the UA.

Two categories of prizes are defined.

A) Four prizes of 500 € plus a diploma for the best four projects, one from each participating university.

B) One prize of 1,000 € and a diploma to the Project that better relates design, simulation, construction and sustainability.

The Jury will be free of changing the amount on the prizes, without modifying the total amount, or defining ex-aquo winners.

The jury decision cannot be discussed.

1.8. AWARDS CEREMONY

The participants will be awarded in Alicante in July 2015 within a public and institutional ceremony organized by the International Healthy Chair of the University of Alicante.

1.9. REGISTRATION AND TEAMS ADMISSION

SPAIN: Those teams interested in participating in the competition must be registered before February 25th, 2015 by filling the attached registration form and sending it by email to the Chair director, prof. Antonio Galiano, antonio.galiano@ua.es. Admissions will be published on February 28th. Deadline for the teams for presenting the design phase of the single-family house to participate in the Berlin Workshop will be March 11th, 2015.

GERMANY/HOLLAND/DENMARK: Students interested on participating in the competition must sign in the subject during the period of time defined by the Beuth Hochschule für Technik (Germany)/ Hogeschool van Amsterdam (Holland)/ Copenhagen School of Design and Technology (Denmark). Two weeks later a list with all the participant teams will be published.

The responsible teachers from each partner institution will be in charge of choosing the projects that finally will participate in the competition.

II. STUDENTS GRANTS FOR PARTICIPATING IN THE MID-TERM INTERNATIONAL WORKSHOP PROJECT

The Beuth Hochschule für Technik in collaboration with the International Marjal Healthy Chair will organize an international workshop in Berlin in April 2015 for the participant students in the competition. At this workshop, different design solutions will be evaluated through different simulation tools.

In order to facilitate the students of the University of Alicante that participate in the competition their attendance to this workshop, the International Marjal Healthy Chair develops this call for a maximum of 10 grants for helping with the students’ travel expenses.

The maximum amount of this grant is 1,000 euros and it is consigned in the budget of the International Marjal Healthy Chair. The use of these funds is conditioned by the cash availability of the UA.

Those teams that participate in the competition that want to apply for these funds must fill the attached registration form and send it by email to the Chair director, prof. Antonio Galiano, antonio.galiano@ua.es before February 28th, 2015.

The funds will be assigned because of the following merits: curriculum vitae, level of English and quality of the design of the house delivered on March 11th 2015. The number and amount of the grants will depend on the received applications.

The amount that each student will receive will depend on the number of participants with a maximum of 10 grants.

The grant payment will be conditioned by the final delivery of the project on June 8th, 2015.

III. GRANTS FOR ENABLING STUDENT’S ATTENDANCE TO THE WORKSHOP PRIOR TO THE PRIZES CEREMONY

The International Marjal Healthy Chair will organize an international workshop in Alicante prior to the Prizes Ceremony. In order to facilitate the students of the Hogeschool van Amsterdam (Holland), the Beuth Hochschule für Technik Berlin (Germany) and the Copenhagen School of Design and Technology (Denmark) that participate in the competition their attendance to this workshop, the International Marjal Healthy Chair will transfer 1,000 € to each of the above mentioned institution in order to support the students’ travel expenses. The funds will be addressed because of the quality of the projects.

The maximum amount of this grant is 3,000 euros and it is consigned in the budget of the International Marjal Healthy Chair. The use of these funds is conditioned by the cash availability of the UA.