

**2018 UIA-PHG International Student Competition**

**A PREFABRICATED MODULAR COMMUNITY HEALTH CENTRE**

**Organized by**

International Union of Architects-Public Health Group (UIA-PHG)  
Global University Program in Healthcare Architecture (GUPHA)  
Paris Healthcare Week

**In cooperation with and supervised by**

International Union of Architects General Secretariat  
International Union of Architects Commission for International Competition

**Submission**

Email: [PHGcompetition2018@gmail.com](mailto:PHGcompetition2018@gmail.com)

Registration deadline: March 30, 2018 (US & Canada Central Time) Submission  
Deadline: April 30, 2018 (US & Canada Central Time)

**Contact**

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**Declaration**

UIA-PHG is a work group of UIA. The 2018 UIA-PHG International Competition is supervised by the UIA General Secretariat and the UIA Commission for International Competitions, and complies with the UIA-UNESCO regulations.

## **CORE COMMITTEE**

### **Co-Chairs**

Thomas Schinko, Dipl. Ing.  
Member, UIA-PHG  
CEO, Vasconi Architectes  
Paris, France

Clifford Harvey, MSc(HQ), EDAC, OAA, FRAIC  
Director, UIA-PHG  
Toronto, Canada

### **UIA Representative**

Fani Vavili-Tsinika, Ph.D., MA.  
President, UIA/Greek Section  
Alternate Member, UIA Council  
Executive Member, UIA-PHG  
Director, Department of Architectural Design and  
Technology  
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### **Coordinator**

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## **JURY MEMBERS**

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UIA official Canadian representative  
Toronto, Canada

Philip Patrick Sun, AIA, ACHA, NCARB,  
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Prof (Dr) R Chandrashekar, Ph. D. Arch.,  
Consultant, HLL Lifecare Limited,  
Delhi, India

Jean-Philippe Pargade, Architecte,  
Paris, France

Fani Vavili-Tsikina, Architect, Professor, Aristotle University,  
Thessaloniki, Greece, UIA Representative

Martin Fiset, M. Arch., MRAIC,  
Montréal, Canada,  
Non-voting Technical Advisor

### **Declaration**

The jurors will not serve as advisors for participating teams.

The core committee will oversee the competition organization and process, and will have no influence on jurors' decisions or the result.

The technical advisor will assign an alpha-numeric code to each submitted project; the jurors will not see participants' names during the evaluation and voting process.

## Introduction

France has been chosen to host the 38th International Seminar of the Public Health Group (PHG) of the *Union Internationale des Architectes* (the UIA) in 2018. The Seminar will be held in Paris from May 29 to 31 at the Portes de Versailles Convention Centre in conjunction with the Paris Healthcare Week, an annual event gathering healthcare professionals from France and other European countries. This Salon receives every year close to 30,000 visitors. Presentations on various themes and an extensive exhibition of healthcare-related equipment and IT applications will offer a broad vision of innovative solutions responding to current challenges in the healthcare field. A special place is reserved for architects within the Salon.

Around the world, community health centres are found in underdeveloped countries as well as in developed countries with a universal healthcare system. In some cases, particularly in rural India, the CHCs are part of a three-tier healthcare system. India is taken here as a particular example but this competition should develop ideas applicable to other countries and settings as well.

The CHCs are planned to provide referral healthcare for cases from the primary healthcare centre levels and for cases in need of special care before approaching the centre hospital directly. The CHC is at 30-bed hospital providing specialist care medicine, obstetrics and gynecology, surgery, pediatrics, dental and AYUSH. AYUSH is the acronym for the 5 branches or systems of traditional healthcare in India, namely Ayurveda, Yoga, Unani, Siddha and Homeopathy.

## Objectives

- Stimulating students to focus on healthcare architecture, particularly in the use of prefabricated modular units;
- Inspiring designers and governmental authorities involved in healthcare facilities planning, design and construction by presenting diverse options for providing community health centres based on prefabricated modular units.

## Themes/topics

The use of prefabricated modular units is an essential part of this assignment. Units should be dimensioned in such a way that they can be transported by road, rail or boat. Just as a suggestion, abandoned shipping containers could be considered as primary structural elements. Please note that part of the building may not be a complete modular component but built on site with factory-fabricated elements.

Environmental quality is an important factor to be considered. Any building proposal should take responsibility for the injection of a sound, healthy approach to environmental quality and nature. Energy conservation and energy production in particular can also play a part in making a building concept economically viable. The use of natural ventilation should be considered wherever it is compatible within specific functional areas, air-conditioning being reserved for rooms or sections required by equipment. Electrical generation with photovoltaic cells or other means should also be considered. In order to save energy, the building should be insulated to a high standard and green roofs should be incorporated in the design. It is assumed that, in some cases, water will be drawn from wells and treated, and the whole complex will rely on a sewage treatment plant without any connection to a sewage system. Rain water will be harvested in underground cisterns as the case may be.

Design excellence is the main quality that is looked for. This obviously includes functional, logistic and economical design, but even the greatest functional idea can only be inspirational if it is brought in the form of a convincing, aesthetically appealing building design.

## Qualifications

The competition is opened to full-time college students at undergraduate, graduate or doctoral levels by the submission date.

No more than three students can participate as a team. The team, however, should be headed by a student in architecture according to the UIA competition guidelines.

Up to two advisors from different disciplines (e.g., architecture, medicine, public health, and engineering) are welcome to participate.

Each team/individual can submit only one project.

## Programme

A programme has been developed specifically for this competition although it is loosely based on guidelines for this type of facility developed by the Indian Ministry of Health. It is recognized that its transposition to other socio-economic and demographic contexts and physical environments may call for some adjustments but the listed components should be retained along with all essential rooms. Significant deviations from the programme should be justified by the participants in their presentation.

The programme can be downloaded from [www.uia-phg.org](http://www.uia-phg.org).

## Site

No specific site is proposed for this competition. Participants are free to choose a site of their own on the condition that they justify their choice. A full description and evaluation of the proposed site would be required as part of the submission addressing the following aspects:

- Country;
- Demographic data about population to be served;
- Size;
- Location and its context, rural or urban;
- Vehicular, public transit and pedestrian accessibility;
- Proximity to other health-related services;
- Public utilities if available;
- Quality of vegetation on the site if any;
- Topography;
- Climatic environment.

As a general note, this particular type of facility would be found most likely in communities with limited accessibility to healthcare services. In underdeveloped countries, the context would be small cities, in developed countries, this type of facility would cater to the needs of remote sparsely-populated communities.

## Criteria

The judging criteria are:

- Originality and daring of vision;
- Design quality and attractiveness in illustrating this vision;
- Response to the programme
- Inventive use a prefabricated modular elements;
- Attention to the demands and needs of patients and their social environment;
- Quality of working environment for staff
- Positive economic, social and environmental impact;

## Presentation Requirements

Three types of documents are required:

### Poster(s):

- Size: A0 (1189mm X 841mm)
- Number of poster: no more than two (please combine two posters into one file; the file size should not exceed 18MB)
- Orientation: landscape
- Digital file resolution: 300 dpi
- File type: PDF
- Contents:
  - A written description in no more than 1000 words (Word, Arial 10 points) in English, explaining how the various parts of the programme of requirements have been covered.
  - Design problems, concepts, analyses and solutions
  - Design drawings (floor plan, section, elevation, perspectives/renderings) and/or model pictures
  - Should not contain any identifiable information (e.g., names of participants and affiliations)

### Flyer(s):

- Size: A4 (297mm X 210mm)
- Number of flyer: no more than six
- Orientation: landscape
- Digital file resolution: 300 dpi
- File type: PDF (please compile all the pages and submit only one file; the file size should not exceed 5MB)
- Contents: same requirements as those of posters. Please note that the text and drawings should be clear enough for jurors to evaluate your design. The content should be sufficient for evaluation.
- Should not contain any identifiable information (e.g., names of the participants and affiliations)

### Personal information sheet (download from [www.uia-phg.org](http://www.uia-phg.org))

- Name of each participant
- Contact information (email, phone and mailing address)
- Affiliation: department, college/school, university with a copy of student ID for verification; if you do not have a student ID, please attach a support letter signed by your department head to verify your student status
- Name(s) of the advisor(s) and contact information if applicable. Please note that advisors are not required.
- State whether you would like to disclose your names if the organizers publish your project.

## Other Requirements

- Use the metric system (e.g., meter, kilogram, etc.) for measurement
- All documents should be in English
- The submission should not have been used for other competition(s).
- The submission should not have been published on public venues (e.g., book, journal, magazine or website).

## Registration and Submission Requirements

- Please send email(s) with required documents to [PHGcompetition2018@gmail.com](mailto:PHGcompetition2018@gmail.com) for registration and submission. No hardcopies are required.
- You are encouraged to send documents as attachments of emails; the total file size should not exceed 24MB.
- For **registration**, submit the **registration form** (download from [www.uia-phg.org](http://www.uia-phg.org)) by March 30, 2018, 11:59PM (U.S. & Canada Central Time).
- For final submission, submit the **posters, flyers and personal information sheet** by April 30, 2018, 11:59PM (U.S. & Canada Central Time).
- Teams or individuals failing to submit all required documents will be automatically disqualified.

## Awards

- First prize: €5,000 and certificate
- Second prize: €3,000 and certificate
- Third prize: €2,000 and certificate
- Honorable Mentions (up to 10 entries): Certificates

The organizers will send the first-, second- and third-prize winners cash prizes via bank wire transfer. The winners will be responsible for related fees for receiving the money and the tax according to her/his country's tax law.

The prize and honorable mention winners are required to send **5-minute videos** about their projects to the committee for final evaluation. The committee will present these videos during the announcement of the winning projects on May 31, 2018. Those winners will be notified by May 15, 2018.

## Timelines

- January 1, 2018: Competition launched by UIA and the organizers.
- February 15, 2018: Last day for questions. No competition-related questions will be answered after that date.
- February 28, 2018: Answers to all questions.
- March 30, 2018: Last day for competition registration
- April 30, 2018: Deadline for submission
- May 15 to May 31: Entries may be displayed at the Paris Healthcare Week
- May 31, 2018: Announcement of winning projects at the Paris Healthcare Week.

## Contact Information

Should you need more information, please contact Martin Fiset at [PHGcompetition2018@gmail.com](mailto:PHGcompetition2018@gmail.com) or +1-514-497-1441

## Website & Resource

Visit [www.uia-phg.org](http://www.uia-phg.org) for more details about the competition and the 2018 UIA-PHG + GUPHA Annual Seminar

**Publication**

- The committee will present winning projects at the 2018 UIA-PHG Annual Seminar to be held May 29-31, 2018, at the Paris Healthcare Week.
- The organizers may publish a portion of or all submitted entries online or in print.
- The participants own the copyright of the submitted projects, graphics, drawings and statements
- The participants should notify the organizers if they would not like to publish their projects

**Anonymity**

- Any submission with participants' names on the poster or flyer will be automatically disqualified
- The jurors will not see participants' names during the evaluation and voting process
- Only winners' names will be revealed and announced
- The projects will remain anonymous when published unless participants/teams request to disclose their names

**Organizers****International Union of Architects- Public Health Group (UIA-PHG)**

The UIA-PHG is one of the working bodies of the UIA, the Union internationale des architectes or International Union of Architects. It was founded in 1955 and represents members and guests from all continents and a growing participation from more than 60 countries in 2012. Within the context of the UIA philosophy, it is the vision of the UIA-PHG that world public health can profit by the dedication of architects to provide efficient, safe and aesthetic health care buildings and an environment that can contribute to a more rapid healing of the patients as well as an improvement in staff operations and satisfaction. To accomplish this vision, the UIA-PHG should share its knowledge and experience not only within the group but also to other architects, engineers and consultants, health care managers and providers, health care organizations and governments, as well as to the general public. It should also initiate research projects that contribute to better health care buildings and environments. The Director of UIA-PHG is Clifford Harvey from the Toronto (Ontario) Canada.

**Global University Programs in Healthcare Architecture (GUPHA)**

GUPHA's mission is to promote international exchange, collaboration and knowledge dissemination between educators involved in teaching and research, along with UIA member practitioners and representatives of academic institutions, governmental and non-governmental agencies with an interest in architectural education and academic research in the area of healthcare architecture. Since founded in 2000, GUPHA has grown to include 25 member institutions. The Chair of GUPHA is Professor David Allison (adavid@clemsun.edu) from Clemson University, U.S.

**Sponsors**

Sponsors will be announced later.