

## *HVAC World Student Competition (RWSC)*

REHVA, in accordance with its mission to support profession development, announces the

### **HVAC WORLD STUDENT COMPETITION 2022**

REHVA initiated the HVAC World Student Competition, organised first time during the 12<sup>th</sup> CLIMA World Congress in 2016 in Aalborg, Denmark. REHVA in cooperation with ASHRAE, CAHVAC, FAIAR, ISHRAE, SAREK and SHASE (further referred to as RWSC Partners), in accordance with their mission to support professional development, announce the HVAC WORLD STUDENT COMPETITION 2022.

#### **Student competition rules**

1. The HVAC World student competition awards every year student work(s) nominated by the RWSC Partners.
2. The competing student's work should be the outcome of a **bachelor or master's thesis or be of equivalent level**. PhD theses will not be accepted.
3. The subject of each competing student's work is totally open, but it should be in, or linked, to the working areas of RWSC Partners, i.e. heating/ventilation/air conditioning/refrigeration, indoor environmental quality, energy balance, energy efficiency and sustainability, building services, etc. (In case of any doubts, do not hesitate to contact REHVA at [info@rehva.eu](mailto:info@rehva.eu)). The used methods can be experimental, analytical, numerical, design, etc.
4. The work will either have been done by individual students or a team of maximum two students.
5. Each RWSC Partner may submit only one entry to the competition **having the care of checking carefully the compliance of the submitted work with the competition rules**. It should be sent electronically directly to the chairman of the Education and Training Committee, prof. Manuel Gameiro da Silva at [manuel.gameiro@dem.uc.pt](mailto:manuel.gameiro@dem.uc.pt) with a copy to [info@rehva.eu](mailto:info@rehva.eu).
6. **The deadline for the reception of entries is Monday 2 May 2022, 20:00 CET**. The submission should be done in the format of a scientific paper, with a maximum of 6 pages, following the attached template and including:
  - Title of the work
  - The name(s) of the student(s), as first author(s)
  - The name(s) of the supervisor(s), as second author(s)
  - The affiliations of the authors, i.e. institute(s) with full institution address
  - E-mail contact(s) of the student(s) and supervisor(s)
  - The year when the work has been accepted at the home university
7. All the documents and presentations must be in English and will be inserted in a publication disseminated by REHVA and delivered to the Jury members before the competition.
8. The applicants will present their work at the HVAC World Student Competition session, which will be held each year. In the years when the REHVA World Congress CLIMA is organised, the HVAC World Student Competition will be held in Europe, organised by REHVA. In the remaining years, the HVAC World Student Competition will be organised by one of the RWSC Partner together with REHVA, during an International Congress being held in other geographical area, besides Europe. In 2022, it will be held in Rotterdam, the Netherlands during the CLIMA 2022 Congress from 22 till 25 May 2022.

9. **The competing student(s) shall prepare for the competition session that will be held on Tuesday 24 May 2022 afternoon** with:
  - 12 minutes' oral presentation of their work (15 slides maximum). There will be a Q&A session of 3 minutes;
  - 1 paper copy of the 6 pages' scientific paper previously submitted;
  - A1 size poster (vertical oriented) to be displayed at the conference room.
10. The jury will meet after the presentations are completed and make its decisions. The jury may select up to a maximum of 3 entries for awards. There will be also one entry for an award of the best poster.
11. The winners will be announced to all competition participants after the jury's meeting.
12. All participants will receive a certificate for their participation and the winners will be awarded in the closing session of the CLIMA 2022 Congress on **Wednesday 25 May 2022** (the time is still to be confirmed). The overall winner will present (maximum 15 minutes) the work at that time.
13. The travel and accommodation costs for the participants are to be covered by the participants or their RWSC Partners or sponsors.
14. **The HVAC World Student Competition Jury (RWSCJ)** is composed by persons nominated by RWSC partners. Each partner nominates only one member for the jury. Work and membership of RWSCJ is on a voluntary basis. The jury chair is nominated by REHVA. **Deadline for delivery of nomination for RSCJ members to REHVA office (info@rehva.eu) by email is Monday 9 May 2022, 20:00 CET.**
15. It is possible to have sponsors of the competition. A booklet will be published each year including the participants' contributions. The publication cost will be shared between REHVA and the host organiser.
16. Administration of the RSWC is provided by REHVA office.

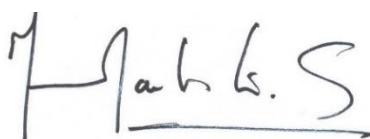
#### Awarding criteria

The jury will make its decision based on the following criteria:

- The relevance and technical feasibility of the topic
- A clear statement of the objective of the work
- The adequacy of the used methods
- The validity and reliability of achieved results
- The innovative character of the work carried out
- The accuracy of the explanation of the work in written material and in oral presentation
- The graphical quality of the summary and the presentation
- The candidate's ability to argue during the discussion
- The scientific content
- For the Best Poster award, the criterion will be the scientific content and the graphical quality of the poster.

Each jury member will give to the president of the jury a list with the candidates ordered from the first to the last position.

Brussels, 19 October 2021



Prof Manuel Gameiro da Silva  
REHVA Education and Training Committee Chair