

SWERC'2018

Opening Ceremony

December 1st 2018, Paris

Live broadcast on: <https://swerc.eu/>

Welcome Word

Antoine Amarilli
Contest Director



Live broadcast on: <https://swerc.eu/>

Guest Speeches

Welcome Address from the Host Institution Direction

Guest Speaker, *Gérard Memmi*,
Head of the Computer Science
and Networks Department



Live broadcast on: <https://swerc.eu/>

Welcome Address from ACM-ICPC

Guest speaker, *Veronika Soboleva*,
ICPC Director of Development

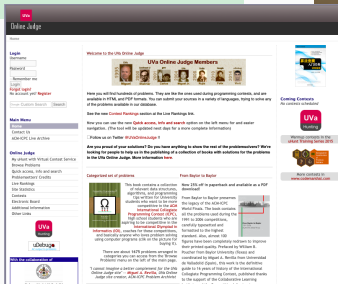
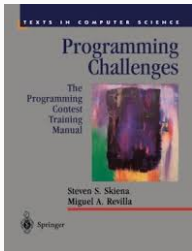


Live broadcast on: <https://swerc.eu/>

In Memoriam Professor Miguel Revilla

Miguel Revilla (†2018)

- Former **SWERC** Director
- Founder of **UVa Online Judge**
- **Author** of the book *Programming Challenges*



ICPC and SWERC key facts

ICPC and SWERC key facts

About the International Collegiate
Programming Contest

How does the contest work?

World Finals

2019 Finals: **Porto, Mar 31 – Apr 5**

SWERC and 530+
other sites of
Regional Finals

...

Paris
2018

...

Local Competitions
(Institution or Country)

Regionals are **autonomous** and
organised by a **local university**.

World Finals ICPC 2019

PORTO, PORTUGAL

Hosted by University of Porto
March 31 - April 5



Participation in 2017–2018

- Over 300 000 students in local competitions
- Around 50 000 students in regional competitions

Participants at regionals	Number
Students	49 935
Universities	3 098
Countries	111

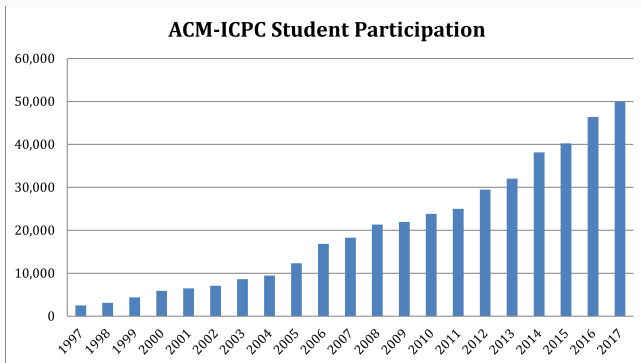
- 140 teams at the 2018 World Finals in Beijing

History of the contest

1970 First competition, in Texas.

1977 Goes international. Teams of 4.

1989 Teams of 3 students.



20-fold increase over the last 20 years

ICPC and SWERC key facts

About the South-Western Europe
Regional Contest

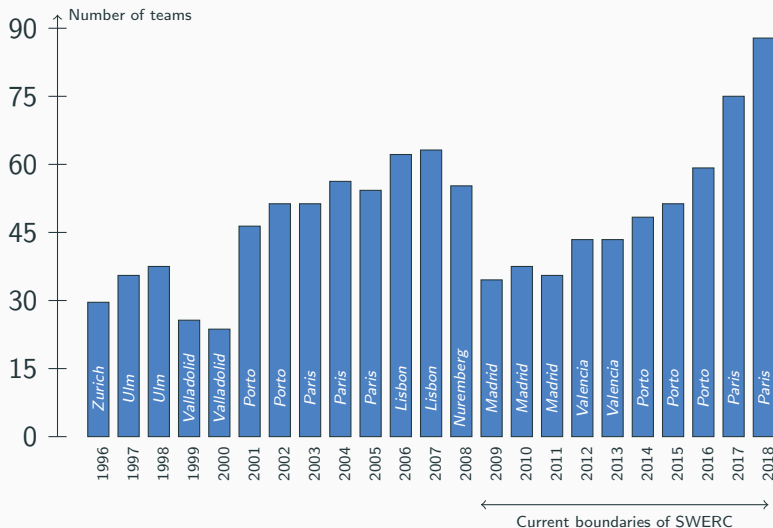
About SWERC 2018



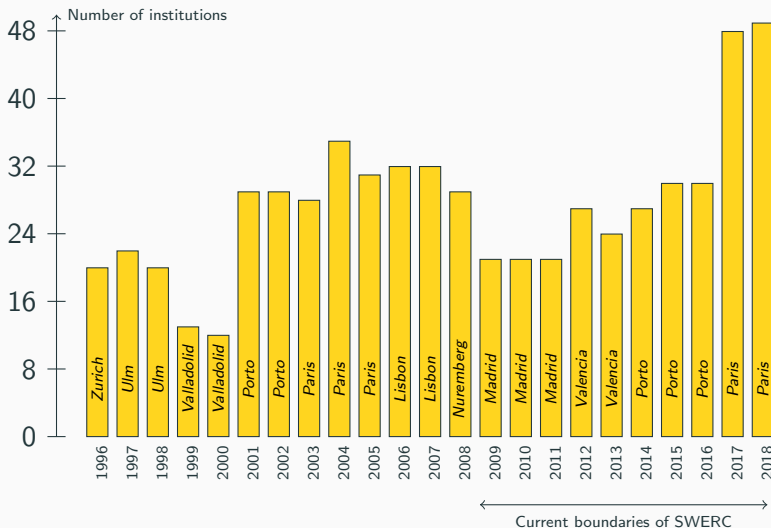
Organized by Télécom ParisTech, École normale supérieure, and a **local team** of judges and volunteers.

Participants at SWERC'18	Number
Institutions	49
Teams	89
Students	267
Total attendees	334

More and more teams



More and more participating institutions



Welcome to newcomers

- 5 institutions are participating for the first time
- 6 institutions are coming back after some gap
- 38 institutions were here last year

Welcome at SWERC!

The medal table

We are happy to award

- 2 Gold medals,
- 4 Silver medals,
- 8 Bronze medals

to the fourteen first teams.

Winners will be presented gifts by **Huawei** (smartphones and watches P 20, S1 and Band 2 for Gold, Silver and Bronze winners) & by **Facebook** (Oculus headsets for gold winners).

The SWERC trophy

A trophy will be awarded to the winning institution.



The winning institution should put it back into play next year!

Latest SWERC teams promoted to finals

Year	1 st place	2 nd place	3 rd place
2017	ENS Ulm	ETH Zürich	SNS Pisa
2016	ENS Ulm	ETH Zürich	
2015	UP Catalunya	ETH Zürich	
2014	UP Catalunya	ETH Zürich	
2013	UP Catalunya	ETH Zürich	
2012	UP Catalunya	(UP Catalunya)	ETH Zürich
2011	UP Catalunya	(ENS Lyon)	
2010	ETH Zürich	(Technion)	
2009	UP Catalunya	ENS Ulm	
2008	ENS Lyon	UP Catalunya	

SWERC teams at the 2018 Beijing World Finals



Results at the ICPC world finals

Year	ICPC Winner	SWERC 1 st	2 nd	3 rd
2018	Moscow State U.	56 th	14 th	31 st
2017	St. Petersburg ITMO	34 th	34 th	
2016	St. Petersburg State	51 st	Honorable	
2015	St. Petersburg ITMO	28 th	64 th	
2014	St. Petersburg State	Honorable	45 th	
2013	St. Petersburg ITMO	27 th	N/A	27 th
2012	St. Petersburg ITMO	36 th	N/A	
2011	Zhejiang University	42 nd	N/A	
2010	Shanghai Jiaotong U.	36 th	36 th	
2009	St. Petersburg ITMO	34 th	49 th	

Practical information about SWERC'18

General rules

- Everyone should **feel good** at the contest:
 - please bring your **good spirit**
 - respect our *Code of Conduct*
 - don't forget to **have fun!**
- Attendance to the whole event is **mandatory**
- **Blue** badges: volunteers. **Red** badges: judges.

Schedule

- The schedule is in the participant **information booklet**.
- Be **on time**! Especially:
 - For the contest:
No entrance to the labs after 8:50 on Sunday.
 - For the banquet:
No service for latecomers!
- Engineers from **Huawei**, **Lokad**, **Systran**, and **Facebook** are here: **coffee breaks** and **lunch breaks** are a great time to **chat** with them!

(Very) late arrivals

- If not yet done, let us take a picture of your (complete) team at the photo studio.
- By now, everybody should have received their badges, T-shirts, etc., and given us their notebooks

Comfort and visual identity

We are sharing the building with other people:

- Please **wear your badge** at all times.
- **T-Shirts** are **mandatory** during the contest (and recommended otherwise).
- Cooperate with security at the entrance (bag check).

We are many:

- Use the **cloak room** to leave your jackets and bags.
- Don't block the doors and passages in the Auditorium, stay at your seat instead.

Premises

School is open between 8:00 and 18:00.

The following rooms are reserved for us:

- Entrance Hall, Auditorium, Computer Labs.
- Room B310 for coaches and attendees.
- Room B312 for contestants.
- Secondary auditorium for luggage storage and live streaming from the main auditorium.

- Please use the **Eduroam** ID provided by your institution.
- If you do not have one, use the ID given in the booklet.
- Information on <https://www.eduroam.org>.

Public version of the contest

Public version of the contest on
<https://domjudge.di.ens.fr/>.

- Open to anyone (free registration)
- Coaches already have an account, will be given before the practice
- Same problems, but separate scoreboard

→ Share with friends!

Also, public scoreboard of the official contest:
<https://swerc.eu/2018/scoreboard/>.

Sponsors acknowledgment



programming
tools sponsor



icpc regional sponsor
europe

Huawei is present not only in Paris at SWERC but also in Eindhoven at NWERC, in Prague at CEERC and in Bucharest at SEERC.

Gold sponsors



LOKAD

Quantitative Supply Chain



SYSTRAN

beyond language

Silver sponsors



Bronze sponsors



Let the Contest Begin!

Tech Talks by our Sponsors

Workshop

Merouane Debbah,
Director of the Mathematical
and Algorithmic Sciences Lab
of France R&C Huawei



Questions, comments, feedback. . .

Coffee break

10:30–11:00



Introspection and Optimization

Victor Nicollet,
CTO of Lokad
and SWERC 2005 alumnus



Questions, comments, feedback. . .

Algorithms for Natural Language Processing – a 50-year-long challenging journey from rule-based to deep learning

Jean Senellart,
Systran Chief Scientist



Questions, comments, feedback. . .

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