

# Pasqal – CMC Virtual Workshop and Hackathon on Quantum Computing with Neutral Atoms

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# Hackathon Logistics

Congratulations to all for completing the  
Neutral Atom Quantum Computing training!

Now is time to have fun!

# Hackathon Logistics and Rules

You will work in teams to solve the **Constrained Antenna Placement** problem.

To be considered for the Hackathon Award, you must:

1. Have attended the workshop;
2. Be part of a Team with 3 to 5 members;
3. Submit your Code and preliminary results by **Wednesday, Nov. 6<sup>th</sup>, at 11:59 pm ET** to the workshop Github;
  - If you do not have access to the workshop Github repository, please contact Saasha;
4. Submit a **5-minute video (with visual support) the Teams private channel by Friday, Nov. 8<sup>th</sup>, at 9am ET**. Videos must:
  1. Explain how the problem was solved and the results obtained;
  2. Demonstrate that every team member contributed to solve the problem.
  - Videos with more than 5 minutes will be penalized;
5. Join the Activities 5.1, 11 am ET, and 5.3, 4 pm ET, on Friday, Nov 8<sup>th</sup>.
6. Be ready to present your solution live, 5-min presentation + 5min of Q&A, on Friday, Nov. 8<sup>th</sup>.
7. Use Pasqal's Pusler SDK to propose the solution.

# Hackathon Logistics and Rules

- Every team member must contribute to solving the hackathon problem.
- It is up to the Team to decide how the work is distributed between its members.
- If a Team member cannot work on the problem, please communicate with your Team and the Organizing Committee as soon as possible.
- Q&A sessions will be held on Monday, Nov. 4<sup>th</sup>, and Wednesday, Nov. 6<sup>th</sup>, at 4pm ET.
- A MS Teams private communication channel will be created to each team;

Good Luck!

# Hackathon Prizes

A total of \$5000 CAD will be distributed in prizes!

1<sup>st</sup> place: \$2500 CAD

2<sup>nd</sup> place: \$1500 CAD

3<sup>rd</sup> place: \$1000 CAD

The cash prizes will be distributed equally among all Team members!

# Meet the Teams

## Team A

Colin Dietrich  
Isaac Donchi  
Lydia Molla  
Esraa Sobhy

## Team TBD

Masoud Salmani Arani  
Mojtaba Khavaninzadeh  
David Florez

## Team CQTech

Mohamed Messaoud Louamri  
Nacer Eddine Belaloui  
Abdellah Tounsi  
Rabeh Abdelmouheymen Khamadja

## Team Q-ket

Sakibul Islam Sazzad  
Navaneeth Krishnan Mohan  
Alp Kutlualp

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Good Luck!