

**2019 MCM/ICM Control Sheet**

Please review this page before submitting your solution to ensure that all of the information is correct. Do not make changes by hand to the information on this control sheet. If you need to change any of the information on this sheet, login via the **Advisor Login** link on the MCM/ICM web site, make the changes online, and print a new sheet.

You may NOT photocopy this control sheet to give to a new team, nor may you assign any team a control number. Each team must have its own control number, obtained by registering via the MCM/ICM web site.

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**Your team's control number  
is:**

**1920446**

(Place this control number on all  
pages of your solution paper and  
on any support material.)

**Problem Chosen:**  
C

The names of the team members will appear on your team's certificate **exactly** as they appear on this page, including all capitalization and punctuation, if any. Gender data is optional and will be used for statistical purposes only; it will not appear on the certificate.

**Team Member**

Yihao Liu

Xingqi Song

Chenyu Dong

**Gender**

M

M

F

**Each team member must sign the statement below:**

(Failure to obtain signatures from each team member will result in disqualification of the entire team.)

Each of us hereby testifies that our team abided by all of the contest's rules and did not consult with anyone who was not on this team in developing the enclosed solution paper. Our submission and all rights to its publication become the property of COMAP, Inc. COMAP may use, edit, excerpt, and publish this submission for promotional use or any other purpose, including placing it online, distributing it electronically, or publishing it in The UMAP Journal or otherwise, without compensation of any kind. COMAP reserves the right to use in materials relating to this contest, the names of the team members, their advisor(s), and their affiliations, without further notification, permission, or compensation. Team members assert that All images, figures, photographs, tables, and drawings in their submission were either created by the team or else, if reproduced from another source, the submission cites a specific reference for each at its location in the submission. All direct quotations in the submission are enclosed in quotation marks or otherwise identified as such, with a specific reference cited for each at its location in the submission.

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