Regulated Research Institutional/Industrial Setting Form (1C)

This form must be completed AFTER experimentation by the adult supervising the student research conducted in a regulated research institution, industrial setting or any work site other than home, school or field.

Student's Name(s) **Sarah Pomerantz**

Title of Project **The Effect of Structural Shapes on Fluid Flows in Fluid-Structure Interactions**

To be completed by the Supervising Adult in the Setting (NOT the Student(s)) after experimentation:
(Responses must be on the form as it is required to be displayed at student's project booth; please do not print double-sided.)

The student(s) conducted research at my work site:

1. Did you or your proxy (e.g. graduate student, postdoc, employee) mentor or provide substantial guidance to the student researcher? ☑ Yes   ☐ No
   a. If no, describe your and/or your institution's role with the student researcher and his/her project (e.g. supervised use of equipment on site without ongoing mentorship and sign below.

   b. If yes, complete questions 2–5.

2. Is the student's research project a subset of your ongoing research or work? Use questions 3, 4 and 5 to detail how the student's project was similar and/or different from ongoing research or work at your site. ☑ Yes   ☐ No

3. Describe the independence and creativity with which the student:
   a. developed the hypotheses or engineering goals for the research project

   Since the student does not have any background in the area, the graduate mentor gave her specific goals to this project.

   b. designed the methodology for his/her research project

   The student was able to learn methods to perform the software simulation for this project by her self from online resources.

   c. analyzed and interpreted data

   The student was able to learn the technique to analyze and interpret the data completly by her self from online resources.

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4. Detail the student's role in conducting the research (e.g. data collection, specific procedures performed). Differentiate what the student observed and what the student actually did.

   In this research, the student performed simulation using a commerial CFD software and postprocess the data using a different open source software.

5. Did the student(s) work on the project as part of a group?   ☐ Yes   ☑ No
   If yes, how many individuals were in the group and who were they (e.g. high school students, graduate students, faculty, professional researchers)?

   No. The student works on this project independently.

I attest that the student has conducted the work as indicated above and that any required review and approval by institutional regulatory board (IRB/IACUC/IBC) has been obtained. Copies are attached if applicable.
I further acknowledge that the student will be presenting this work publicly in competition and I have communicated with the student research regarding any requirements for my review and/or restrictions of what is publicized.
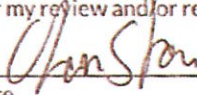
Chen Shen	Signature	Graduate Student / Research Assistant
Supervising Adult's Printed Name		Title
Rensselaer Polytechnic Institute		1/19/2020
Institution		Date Signed (must be after experimentation) (mm/dd/yy)
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