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## POST-DOCTORAL RESEARCHER POSITION

### POSITION SUMMARY

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Professor Amadeu Sum leads the Phases to Flow Laboratory in the Chemical & Biological Engineering Department at the Colorado School of Mines and is seeking a post-doctoral research fellow to work on industry sponsored projects related to gas hydrates and flow assurance. The successful candidate is expected to work effectively in a collaborative, interdisciplinary environment with other members of the group and effectively interface with external partners.

### PRIMARY RESPONSIBILITIES

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- Conduct experimental research using high pressure equipment for the characterization of gas hydrates formation and transportability.
- Work on design and construction of custom equipment for high pressure measurements.
- Write reports and peer-review publications.
- Prepare and present update material related to research progress.
- Serve as mentor to graduate and undergraduate students.

### MINIMUM QUALIFICATIONS

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#### Education and Experience:

- PhD. In Chemical Engineering or related field. All PhD requirements should be completed by the time work commences.

#### Knowledge, Skills, and Abilities:

- Previous research experience in one or more areas of gas hydrates and flow assurance.
- Experience with gas hydrate formation and characterization using high pressure equipment and modeling of multiphase equilibrium and flow.

### PERIOD AND COMPENSATION

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This position has a start date no later than August 2022 for a period of one year with possible renewal for one additional year. Salary is based on qualifications. Full benefits are provided.

### APPLICATION

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Send a letter and CV to Prof. Amadeu Sum at [asum@mines.edu](mailto:asum@mines.edu).

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