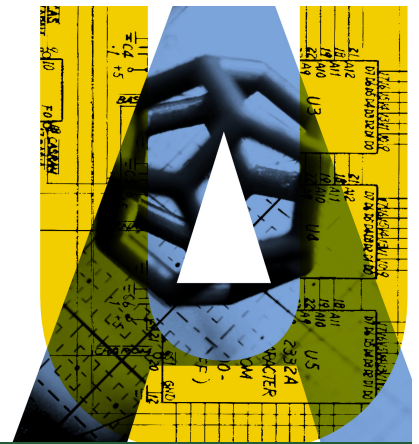


Research Group

Buoyancy-driven flow in industry and in nature



Key research area: fluid mechanics

Research focus

My research sits at the intersection of industry and the environment and considers the impact of one upon the other, primarily through fluid mechanics and heat transfer. I am therefore drawn to societally-relevant problems that study the transport and dispersion of pollutants in the atmosphere, or through marine systems or porous media. Of equal interest are scenarios where environmental factors exert an order-one influence on engineering design e.g. low-energy buildings that exploit e.g. wind forcing or solar radiation. Studying either category of problem requires a broad array of theoretical, experimental and numerical tools.

Research opportunity (Ph.D.)

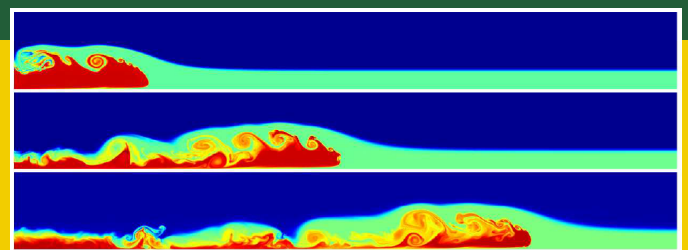
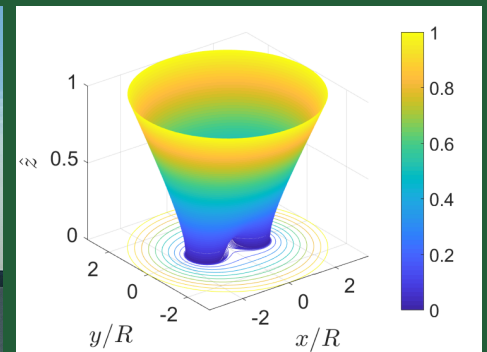
I am currently seeking a motivated Ph.D. student interested in the theoretical and similitude experimental modeling of fluid mechanical systems. Working with a local manufacturer of heat transfer equipment, the successful candidate will explore air mixing dynamics within hybrid cooling towers, i.e. those that exploit wet- and dry-cooling. The project will therefore build on 7+ years of high-level research on cooling tower technology.

Training environment

I am honored to have worked with a diverse team of talented graduate students whose development I have supported through manifold positive interactions. The well-rounded training of such individuals is my most important contribution to U. Alberta.

Key to my supervisory approach is to recognize the individual strengths and aspirations of each hardworking group member. In turn, opportunities are provided for professional growth in the form of networking, summer school/conference participation and research dissemination in high-impact journals.

Image gallery



Morris R. FLYNN, PhD, PEng
Professor

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 - Engineering Management
- Master of Science (MSc), Mechanical Engineering
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02 REVIEW the admission requirements and collect supporting documentation:

- Undergraduate engineering degree from a recognized institution;
- Minimum of a 3.0 GPA (or equivalent) for MEng/MSc and 3.3 for PhD;
- Acceptable English Competency.

03 SUBMIT your application through U of A Graduate Studies Management Solution (GSMS)



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