

# **Important Amendments to**

# **ERCOFTAC Osborne Reynolds Day**

# **2020 Competitions**

## **for new Graduates and soon-to-graduate PhDs**

## **in Fluid Mechanics**

The unfortunate circumstances and impact of COVID-19, has necessitated important alterations to the 2020 Osborne Reynolds Day. The planned oral and poster presentations before a live audience at Manchester University have thus had to be cancelled! Nevertheless, the competition itself will still take place though in a modified form as follows:

Competitors are, usually, invited to submit abstracts by email, in accordance with the instructions below. Also as usual, the sequential two-stage process of initial and final selection will take place over a period of about two months, conducted by senior academics. However, this year, there will not be an event at which the best (final) six contributors are invited to make presentations, leading to a winner and two runners-up. Instead, a subset of the judges will convene via Skype to make the final selection of the three best submissions. The selected contributors will then be put forward to the 2020 ERCOFTAC da Vinci Competition by 15th July 2020. Furthermore, they will be invited to present their contributions in the 2021 Osborne Reynolds Day in Manchester. Besides these three, the next six best abstracts will be earmarked for the poster session at the 2021 Osborne Reynolds Day. The three best posters as judged by the audience will receive cash prizes and winners' plaques.

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## **Osborne Reynolds**

The Department of Mechanical, Aerospace and Civil Engineering is a successor of the department in which Osborne Reynolds spend his a 37-year to established himself as the nation's leading engineering fluid mechanicist.



In his honour and name, the Osborne Reynolds Day programme normally features presentations by some of the UK's brightest newly-graduated and soon-to-graduate PhDs in fluid mechanics.

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## Competition

The 2020 Osborne Reynolds PhD competitions offer prestigious awards that celebrate the quality of students and graduates who have been pursuing doctoral level research across the broad domain of fluid mechanics including turbulence, multi-phase, stratified and free-surface flows, convective transport processes, combustion and acoustics. Entries are welcome from schools of engineering, physics, mathematics or environmental sciences. PhD students or recent graduates from all UK universities are eligible to enter whether or not their host university is a member of ERCOFTAC.

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### Nomination Procedure

- Competitors should still submit via email their abstracts to Professor Leschziner (*mike.leschziner@imperial.ac.uk*) and Dr Adel Nasser (*a.g.nasser@manchester.ac.uk*)
  - These will each be reviewed by at least two specialists in Fluid Dynamics expert in the theme of the paper.
  - Thereafter, as a secondary review stage, an expert committee will meet (via Skype) to decide, in the light of the reviews and their own assessments, the three best abstracts.
  - These three will be nominated to ERCOFTAC as the UK representatives for the annual ERCOFTAC da Vinci competition to be held during the ERCOFTAC Autumn Festival on 8 October. The winner will be awarded the 2020 da Vinci Medal, a certificate and a cash prize of 1000 Euro. The other four finalists will receive certificates and medals. All expenses of the winner will be funded by ERCOFTAC.
  - The deadline for submission of summaries is Friday 1st May 2020 (5 PM). This date is FINAL! There will be no further extensions.
  - The final selection of three contributions to go forward to the da Vinci event and the 2021 Osborne Reynolds Competition will be made by 3rd July and all contributors will be notified within a few days thereafter.
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## How to enter

To enter the 2020 competitions candidates should submit, **as sole authors**, a three-page summary, which should be structured as follows:

- Title of the work;
- Name, affiliation and email address;
- Research objectives, route, methodology, main Results and achievements;
- Up to three publications considered by the writer to best represent the work.

The summary should be in a single-column format and the typeface should be no smaller than 11pt. Blank lines should separate sections, headings, figures, captions and title.

The inclusion of relevant graphical material is strongly encouraged and associated captions should be clear and explicit, in line with standard practice in high-quality journals.

Particular emphasis should be given to novelty and originality of the findings, and their relevance to engineering practice, if appropriate.

Candidates are urged prepare their summaries carefully, as these are the principal means by which their work is assessed by the selection panel.

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## Who can enter?

The competition is opened to:

- current PhD-registered students at a UK university;
- doctoral graduates from a UK university who graduated since June 2019.

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## Submissions

All submissions should be sent directly to:

- [Professor Michael Leschziner](#), Chair of the Selection Panel
- [Dr Adel Nasser](#), Chair of the Organising Committee