ICTAM 2016
MONTRÉAL

24th International Congress of Theoretical and Applied Mechanics

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Book of Papers

Mechanics — Foundation of Multidisciplinary Research
La mécanique — fondement de la recherche multidisciplinaire

IUTAM International Union of Theoretical and Applied Mechanics
Official IUTAM Congress

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www.ictam2016.org

Preface

This volume contains all ICTAM 2016 Papers presented as:
- Plenary Lectures,
- Prize Lectures - Batchelor and Hill
- Sectional Lectures
- Mini-symposia presentations
- Thematic Session presentations, and
- Short Talk with Poster presentations.

The content of this book is available electronically only and will be archived on the IUTAM permanent site as follows:

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24th International Congress of Theoretical and Applied Mechanics

Foreword

The organizers are proud to present the ICTAM2016 papers.

The electronic collection contains all submissions accepted for either oral or poster presentation as of July 8, 2016.

Papers received after this date, as well as those included here, can be accessed using the my*ICTAM2016* congress mobile app.

After the Congress itself all papers will be archived on the permanent IUTAM website.

We would like to thank all the members of the International Program Committee, for generating the content for such an inspiring scientific program. We would also like to acknowledge the tremendous work performed by the National Research Council of Canada and Legend Conference Planning for converting all our ideas into an actual Congress program.

Papers are presented as they were submitted. The organisers take no responsibility for the content language and errors in the texts.

The International Program Committee
ICTAM 2016
Montreal, Canada

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2016
BATCHELOR PRIZE
Journal of Fluid Mechanics

ELSEVIER

Pacific Institute *for the* Mathematical Sciences

CANADIAN CONGRESS FOR APPLIED MECHANICS
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OL

Closing Lectures:

CL

Batchelor Prize Lecture

BP

Hill Prize Lecture

HP

Sectional Lectures

SLnn-x
nn= Topic
-x= order of the lecture within topic

Thematic Sessions (Orals)

TS.FMxx-x.mm
TS = Presentation Type
MSxx/FMxx/SMxx/FSxx = Thematic Session and topic
-x = block order within session
.**mm** = speaking order within block

Short Talks with Poster

PO.MSxx-x.mm.xxx
PO = Presentation Type
MSxx/FMxx/SMxx/FSxx = Thematic Session and topic
-x = block order within session
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