



# ICFC7

## 7th International Conference on Fatigue of Composites



Department of Management and Engineering  
University of Padova

*Vicenza (ITALY) 4-6 July 2018*



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



**ESCM**  
EUROPEAN SOCIETY  
FOR COMPOSITE MATERIALS

## INVITATION

Dear colleague,

I am pleased to invite you to attend the 7th edition of the International Conference on Fatigue of Composites (ICFC7) to be held in Vicenza (Italy) from 4th to 6th of July 2018. The conference is organized by the Department of Management and Engineering at the University of Padova, under the patronage of the European Society for Composite Materials, the Committee on Composite Materials of the Japan Society of Material Science, the Italian Association for Stress Analysis and the Italian Group of Fracture.

ICFC7 aims to enhance interactions among scientists and engineers both from Academia, Research Institutions and Industries, providing them with a forum for the communications and discussions on the recent exciting accomplishments and future trends in the field of fatigue behavior of composite materials for several fields of application. An attractive background programme will be arranged to complement the interesting presentations and discussions.

I look forward to meeting you in Vicenza!



**Marino Quaresimin - ICFC7 Chairman**

## CONFERENCE VENUE

The Seventh International Conference on Fatigue of Composites will be held in the city of Vicenza. The venue selected is the Department of Management and Engineering at the University of Padova which is in the downtown, about 10 minutes walking from the Railway station. Vicenza is an extraordinary artistic masterpiece thanks to Palladio's buildings which are incorporated in a historical urban fabric and determine its whole aspect. For this reason, the city has greatly influenced European and world architecture and city planning rules. In 1995, with this motivation, the capital city of the Berici hills was listed in Unesco's World Heritage List. This prestigious award announced all over the world the beauty and the linearity of the shapes and colours which characterise the historic heart and the magical views of the city. Vicenza is still permeated by the spirit of Andrea Palladio, the architect who skillfully interpreted local noblemen's wishes.

## CONFERENCE TOPICS

The main conference topics are:

- *Fatigue of composite materials*
- *Experimental characterization, damage mechanics and mechanisms*
- *Effects of defects, environment, variable amplitude, spectrum loading*
- *Health monitoring and NDT methods for damage detection*
- *Models and procedures for damage evolution assessment*
- *Residual properties and life prediction*
- *Applications and case histories: fatigue and property degradation in complex composite structures*

***Together with these topics, suggestions for other topics as well as for special symposia are warmly welcome and can be forwarded to the Organising Committee.***

## **YOUNG RESEARCHER AWARD**

The Organizing Committee of ICFC7 decided to establish a Young Researcher Award to honor innovative research works in the field of composite fatigue. Winners will be announced and awarded with a signed certificate and a monetary prize during the conference dinner.

To be eligible, candidates have to:

- submit a single-authored paper
- attend the conference and present their own work
- be a young scholar under 32 years old.

## **CONFERENCE WEBSITE**

For more details on the conference, the venue, registration, sponsorship opportunities, accommodation and transportation please visit the conference website:

<http://www.gest.unipd.it/ICFC7>

## **IMPORTANT DATES**

|   |                      |
|---|----------------------|
| <b>Deadline for abstract submission</b> | <b>15 March 2018</b> |
| <b>Early bird registration</b>          | <b>31 March 2018</b> |

## **REGISTRATION FEES**

### ***Early bird (before 31 March 2018)***

Student Fee: 400 € + VAT (22%)

Regular Fee: 600 € + VAT (22%)

### ***After 31 March 2018***

Student Fee: 500 € + VAT (22%)

Regular Fee: 700 € + VAT (22%)

The Registration fee includes the delegate kit, 3 days coffee breaks and lunches and the Conference dinner.

## **SPONSORSHIP**

The Organising Committee has prepared a comprehensive promotional program, with sponsorship packages suitable for all budgets.

Support for ICFC7 will provide the possibility to tightly connect company name and brand to all participants, the international community of scientific and industry leaders in the field of composites. The exhibition space, located in strategic areas of the conference, will provide a further opportunity of communicating brand messages and to present equipments, services and technology to a large number of selected and qualified potential customers.

For more information, please write to: [michele.zappalorto@unipd.it](mailto:michele.zappalorto@unipd.it)

## **CONFERENCE CHAIRMAN**

|                   |                      |       |
|-------------------|----------------------|-------|
| Marino Quaresimin | University of Padova | Italy |
|-------------------|----------------------|-------|

## **EXECUTIVE COMMITTEE**

|                   |                      |        |
|-------------------|----------------------|--------|
| Masaki Hojo       | Kyoto University     | Japan  |
| Jacques Renard    | Mines Paris Tech     | France |
| Marino Quaresimin | University of Padova | Italy  |
| Ramesh Talreja    | Texas A&M University | USA    |

## **INTERNATIONAL SCIENTIFIC COMMITTEE**

|                         |   |             |
|-------------------------|---|-------------|
| Masahiro Arai           | Nagoya University                                     | Japan       |
| Francesco Aymerich      | University of Cagliari                                | Italy       |
| Andrea Bernasconi       | Politecnico di Milano                                 | Italy       |
| Andreas Brunner         | EMPA  | Switzerland |
| Valter Carvelli         | Politecnico di Milano                                 | Italy       |
| Christian Hochard       | Aix Marseiulle University                             | France      |
| Peter Horst             | TU Braunschweig                                       | Germany     |
| Atsushi Hosoi           | Waseda University                                     | Japan       |
| Endel larve             | University of Texas Arlington                         | USA         |
| Masamichi Kawai         | University of Tsukuba                                 | Japan       |
| Stepan Lomov            | KU Leuven   | Belgium     |
| Steve Ogin              | University of Surrey                                  | UK          |
| Kazuya Okubo            | Doshisha University                                   | Japan       |
| Federico Paris          | University of Seville                                 | Spain       |
| Silvestre Pinho         | Imperial College                                      | UK          |
| Gerald Pinter           | Montanuniversität Leoben                              | Austria     |
| Ken Reifsneider         | University of Texas Arlington                         | USA         |
| Karl Schulte            | TUHH Hamburg  | Germany     |
| Vadim Silberschmidt     | Loughborough University                               | UK          |
| Bent Sorensen           | Technical University of Denmark                       | Denmark     |
| Nobuo Takeda            | University of Tokyo                                   | Japan       |
| Wim van Paepegem        | Ghent University                                      | Belgium     |
| Anastasios Vasilopoulos | EPFL  | Switzerland |
| Weixing Yao             | Nanjing University of<br>Aeronautics and Astronautics | China       |

## **LOCAL ORGANIZING COMMITTEE**

|                      |                      |       |
|----------------------|----------------------|-------|
| Michele Zappalorto   | University of Padova | Italy |
| Paolo Andrea Carraro | University of Padova | Italy |
| Lucio Maragoni       | University of Padova | Italy |