

## 10<sup>TH</sup> Annual Conference of the Lebanese Society for the Mathematical Sciences LSMS 2022

Computer Science & Mathematics Department,  
Lebanese American University,

June 24-25, 2022, *Virtually*,  
Beirut time (GMT+3)

### Invited Speakers

**Joseph Ayoub**, University of Zurich, Switzerland

**Christian Bar**, University of Potsdam, Germany

**Nadine Grosse**, University of Freiburg, Germany

**Claude Lefevre**, Université Libre de Bruxelles, Belgium

**Salim Messaoudi**, University of Sharjah, UAE

**Beatrice Riviere**, Rice University, USA

**Vitaly Volpert**, Université Lyon 1, France

### Organizing Committee

Farah Farah (UOB)

Leila Issa (LAU, Chair)

Chadi Nour (LAU)

Rony Touma (LAU)

### Scientific Committee

Bilal Barakeh (LU)

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Toufic El Arwadi (BAU)

Fida El Chami (LU)

Rachel Hobeika (LU)

Ayman Kachmar (LU)

Gihane Mansour (USJ)

Roger Nakad (NDU)

Nabil Nassif (AUB)

Chadi Nour (LAU)

### Registration



or [click here](#)

Friday June 24, 2022	
9:30 - 10:00	<p><b>Opening words</b></p> <p><b>Cathia Jenainati</b>, Dean, SOAS, Lebanese American University  <b>Nader El-Khatib</b>, Chairperson, CSM  <b>Rachel Hobeika</b>, President, LSMS</p>
10:00 - 11:00	<p><b>Vitaly Volpert</b>, Université Lyon 1, France  <i>Mathematical modelling of respiratory viral infections</i></p>
11:00 - 12:00	<p><b>Beatrice Riviere</b>, Rice University, USA  <i>Flexible numerical methods for porous media flows</i></p>
12:00 - 14:00	Break
14:00 - 15:00	<p><b>Jospeh Ayoub</b>, University of Zurich, Switzerland  <i>The cohomology of algebraic varieties</i></p>
15:00 - 16:00	<p><b>Claude Lefevre</b>, Université Libre de Bruxelles, Belgium  <i>Polynomials, order statistics and risk models in insurance and epidemics</i></p>
Saturday June 25, 2022	
10:00 - 11:00	<p><b>Christian Bar</b>, University of Potsdam, Germany  <i>Positive scalar curvature on manifolds with boundary</i></p>
11:00 - 12:00	<p><b>Nadine Grosse</b>, University of Freiburg, Germany  <i>On the space of metrics with invertible Dirac operator</i></p>
12:00 - 14:00	Break
14:00 - 15:00	<p><b>Salim Messaoudi</b>, University of Sharjah, UAE  <i>General decay in viscoelasticity: a recent development</i></p>