

# SYMPOSIUM ON CLASSICAL TO COMPUTATIONAL AEROELASTICITY

September 10 - 12 2018

Main Auditorium  
Department of Aerospace Engineering, Indian Institute of Science Bangalore

## MONDAY SEPTEMBER 10

Time	Topic	Speaker
0830	Introduction and outline	Prof M V Srisha Rao
0840	Chairman's address	Prof S Gopalakrishnan
0850	Hypersonics and aeroelasticity	Prof G Jagadeesh
0900	Overview on aeroelasticity	Prof R Kapania & Dr G P Guruswamy
0930	Introduction to elements of aeroelasticity	Prof R Kapania
1030	COFFEE & TEA	
1100	Evolution of stiffness methods	Prof R Kapania
1230	LUNCH	
1400	Aerothermoelastic analysis of high speed systems	Prof A Gogulapati
1530	COFFEE & TEA	
1600	Principle of virtual work and static aeroelasticity	Prof R Kapania
1730	WRAP-UP AND HIGH TEA	

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**TUESDAY SEPTEMBER 11**

Time	Topic	Speaker
<b>0900</b>	<b>Elements of structural dynamics for aeroelasticity</b>	<b>Prof R Kapania</b>
<b>1030</b>	COFFEE & TEA	
<b>1100</b>	<b>Finite state unsteady aerodynamics</b>	<b>Prof R Kapania</b>
<b>1230</b>	LUNCH	
<b>1400</b>	<b>A perspective on computational aeroelasticity - 1970s to now</b>	<b>Dr G P Guruswamy</b>
<b>1530</b>	COFFEE & TEA	
<b>1600</b>	<b>Frequency domain approach</b>	<b>Dr G P Guruswamy</b>
<b>1730</b>	WRAP-UP AND HIGH TEA	

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**WEDNESDAY SEPTEMBER 12**

Time	Topic	Speaker
<b>0900</b>	<b>Time domain approach</b>	<b>Dr G P Guruswamy</b>
<b>1030</b>	COFFEE & TEA	
<b>1100</b>	<b>Advanced applications</b>	<b>Dr G P Guruswamy</b>
<b>1230</b>	LUNCH	
<b>1400</b>	<b>Model reduction strategies for aeroelastic and aerothermoelastic studies</b>	<b>Prof A Gogulapati</b>
<b>1530</b>	COFFEE & TEA	
<b>1600</b>	<b>An overview of aeroelastic optimization with emphasis on surrogate based approaches</b>	<b>Prof A Gogulapati</b>
<b>1730</b>	WRAP-UP AND HIGH TEA	