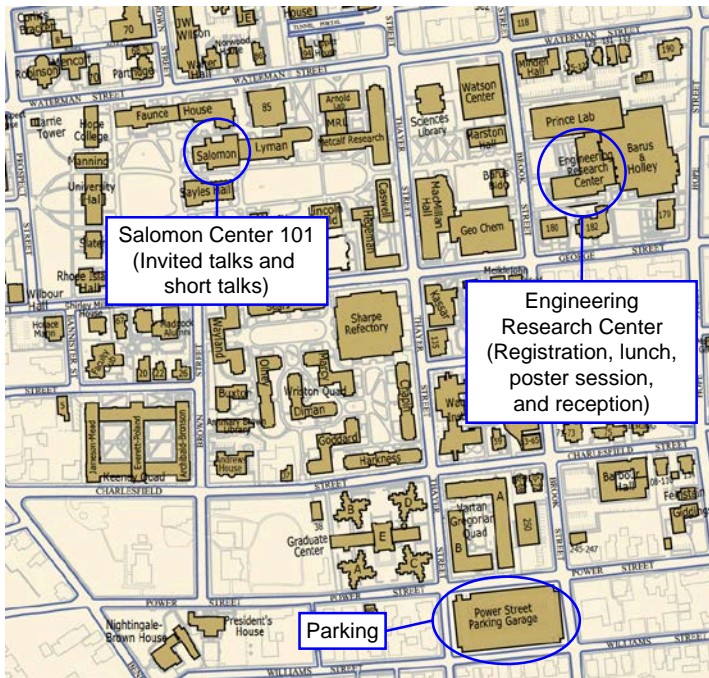


Venue



NEW.Mech 2018 at Brown

Welcome to the 9th Annual NEW.Mech!
A one-day workshop that aims to bring together the **New** England **Mechanics** community to share the latest advancements in the field with an interest in exploring new research directions in the mechanics of materials and structures.

Invited Speakers



Arun Shukla

Simon Ostrach Professor, University of Rhode Island
Talk Title: Recent experiments on dynamic instabilities in underwater structures



Katia Bertoldi

William and Ami Kuan Danoff Professor of Applied Mechanics, Harvard University
Talk Title: Soft robots: Where robotics meets mechanics



Yuri Bazilevs

E. Paul Sorensen Professor of Engineering, Brown University
Talk Title: Isogeometric methods for extreme-event simulation: Air blast fluid-structure interaction – methodology and applications

NEW.Mech 2018 is generously sponsored by

C.V. Starr Foundation Lectureship Fund
Brown University School of Engineering



BROWN
School of Engineering



Program

9:00-10:00	Registration and Breakfast
10:00-10:10	Opening Remarks
	Arun Shukla
10:10-11:00	<i>Recent experiments on dynamic instabilities in underwater structures</i>
11:00-11:40	Short Talks Session A
11:40-1:10	Lunch and Poster Session
	Katia Bertoldi
1:10-2:00	<i>Soft robots: Where robotics meets mechanics</i>
2:00-2:40	Short Talks Session B
2:40-3:20	Coffee Break
3:20-4:00	Short Talks Session C
	Yuri Bazilevs
4:00-4:50	<i>Isogeometric methods for extreme-event simulation: Air blast fluid-structure interaction – methodology and applications</i>
4:50-5:00	Closing Remarks and Awards
5:00-7:00	Reception



A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13

B1
B2
B3
B4
B5
B6
B7
B8
B9
B10
B11
B12
B13

C1
C2
C3
C4
C5
C5
C7
C8
C9
C10
C11
C12
C13



Short Talks Session A

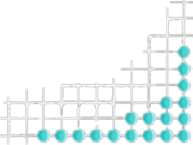

David Melancon, Harvard
Lucia Stein-Montalvo, Boston University
Mrityunjay Kothari, Brown
Simos Gerasimidis, UMass Amherst
Emilio Lozano, Harvard
Chao Chen, UMass Amherst
Insun Yoon, Brown
Shabnam Raayai, MIT
Arshad Kudrolli, Clark
Emmanuel Viot, Harvard
Hongyan Yuan, URI
Wenqiang Fang, Brown
Jiawei Yang, Harvard

Short Talks Session B

Jun Li, UMass Dartmouth
Yoonho Kim, MIT
Andrew Gross, Harvard
Md Fazlay Rabbi, UMass Dartmouth
Mohammad Islam, RPI
Lifeng Wang, SUNY Stony Brook
Shengguang Jin, UNH
Michael Jandron, Brown
Mo Eydani, Boston University
Panos Pantidis, UMass Amherst
Max Monn, Brown
Jacob Merson, RPI
Bahador Marzban, URI

Short Talks Session C

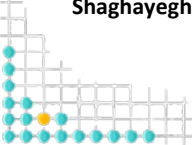
Katharine Jensen, Williams
Weilin Deng, Brown
Wonho Jhe, Seoul National University
Aaron Baumgarten, MIT
Kareem Khirallah, Northeastern
Juner Zhu, MIT
Madhav Baral, UNH
Pinkesh Malhotra, Brown
Carlos Javier, URI
Shyamal Kishore, URI
Shaghayegh Rezazadeh Kalehbasti, Brown
Konane Bay, UMass Amherst
Shikui Chen, SUNY Stony Brook





Poster Session

Carlos Duque	1	<i>UMass Amherst</i>
Mohammad Islam	2	<i>RPI</i>
Michael Jandron	3	<i>Brown</i>
Qian Ye	4	<i>SUNY Stony Brook</i>
Rojin Ghandriz	5	<i>UMass Dartmouth</i>
Long Jiang	6	<i>SUNY Stony Brook</i>
Bahador Marzban	7	<i>URI</i>
Jiawei Tian	8	<i>SUNY Stony Brook</i>
Xiaoqiang Xu	9	<i>SUNY Stony Brook</i>
Tingtao Zhou	10	<i>MIT</i>
Ahmed Elgailani	11	<i>Northeastern</i>
Seongmin Kim	12	<i>Harvard</i>
Shihong Li	13	<i>Brown</i>
Shashank Agarwal	14	<i>MIT</i>
Kareem Khirallah	15	<i>Northeastern</i>
Maytee Chantharayukhonthorn	16	<i>MIT</i>
Huilin Ye	17	<i>UConn</i>
Habibeh Ashouri Choshali	18	<i>WPI</i>
Zhiqiang Shen	19	<i>UConn</i>
Sabah Nobakhti	20	<i>Northeastern</i>
Anirban Pal	21	<i>RPI</i>
Christopher Salazar	22	<i>URI</i>
Sen Yang	23	<i>UMass Dartmouth</i>
Koray Senol	24	<i>URI</i>
Shaghayegh Rezazadeh Kalehbasti	25	<i>Brown</i>



Poster Session

Carlos Duque	1	<i>UMass Amherst</i>
Mohammad Islam	2	<i>RPI</i>
Michael Jandron	3	<i>Brown</i>
Qian Ye	4	<i>SUNY Stony Brook</i>
Rojin Ghandriz	5	<i>UMass Dartmouth</i>
Long Jiang	6	<i>SUNY Stony Brook</i>
Bahador Marzban	7	<i>URI</i>
Jiawei Tian	8	<i>SUNY Stony Brook</i>
Xiaoqiang Xu	9	<i>SUNY Stony Brook</i>
Tingtao Zhou	10	<i>MIT</i>
Ahmed Elgailani	11	<i>Northeastern</i>
Seongmin Kim	12	<i>Harvard</i>
Shihong Li	13	<i>Brown</i>
Shashank Agarwal	14	<i>MIT</i>
Kareem Khirallah	15	<i>Northeastern</i>
Maytee Chantharayukhonthorn	16	<i>MIT</i>
Huilin Ye	17	<i>UConn</i>
Habibeh Ashouri Choshali	18	<i>WPI</i>
Zhiqiang Shen	19	<i>UConn</i>
Sabah Nobakhti	20	<i>Northeastern</i>
Anirban Pal	21	<i>RPI</i>
Christopher Salazar	22	<i>URI</i>
Sen Yang	23	<i>UMass Dartmouth</i>
Koray Senol	24	<i>URI</i>
Shaghayegh Rezazadeh Kalehbasti	25	<i>Brown</i>





Poster Session (continued)

Shyamal Kishore	26	<i>URI</i>
Insun Yoon	27	<i>Brown</i>
Carlos Javier	28	<i>URI</i>
Pinkesh Malhotra	29	<i>Brown</i>
Konane Bay	30	<i>UMass Amherst</i>
Heather Reed	31	<i>Thornton Tomasetti</i>
John Farah	32	<i>OptiCOMP Networks</i>
Lucia Stein-Montalvo	33	<i>Boston University</i>
Kshitij Kumar Yadav	34	<i>UMass Amherst</i>
Matheus Fernandes	35	<i>Harvard</i>
Christopher Barney	36	<i>UMass Amherst</i>
Soroush Kamrava	37	<i>Northeastern</i>
Casey Ricks	38	<i>Boston University</i>
Keith Dusoe	39	<i>UMass Amherst</i>
Yoonho Kim	40	<i>MIT</i>
Wen Chen	41	<i>UMass Amherst</i>

Gallery of Mechanics

Christopher Barney	1	<i>UMass Amherst</i>
Yoonho Kim	2	<i>MIT</i>
Carlos Javier	3	<i>URI</i>
Shyamal Kishore	4	<i>URI</i>
Christopher Salazar	5	<i>URI</i>
Koray Senol	6	<i>URI</i>
Michael Jandron	7	<i>Brown</i>



Poster Session (continued)

Shyamal Kishore	26	<i>URI</i>
Insun Yoon	27	<i>Brown</i>
Carlos Javier	28	<i>URI</i>
Pinkesh Malhotra	29	<i>Brown</i>
Konane Bay	30	<i>UMass Amherst</i>
Heather Reed	31	<i>Thornton Tomasetti</i>
John Farah	32	<i>OptiCOMP Networks</i>
Lucia Stein-Montalvo	33	<i>Boston University</i>
Kshitij Kumar Yadav	34	<i>UMass Amherst</i>
Matheus Fernandes	35	<i>Harvard</i>
Christopher Barney	36	<i>UMass Amherst</i>
Soroush Kamrava	37	<i>Northeastern</i>
Casey Ricks	38	<i>Boston University</i>
Keith Dusoe	39	<i>UMass Amherst</i>
Yoonho Kim	40	<i>MIT</i>
Wen Chen	41	<i>UMass Amherst</i>

Gallery of Mechanics

Christopher Barney	1	<i>UMass Amherst</i>
Yoonho Kim	2	<i>MIT</i>
Carlos Javier	3	<i>URI</i>
Shyamal Kishore	4	<i>URI</i>
Christopher Salazar	5	<i>URI</i>
Koray Senol	6	<i>URI</i>
Michael Jandron	7	<i>Brown</i>

