

Marcus Hultmark to Everyone

MH

In terms of Mach numbers, is this call for all Mach numbers or mainly low or mainly high?

Earl Dowell to Everyone

ED

What is the metric that defines success? Is it drag reduction?

Tim Colonius to Everyone



Can you give example of some recent experiment that is closet in your mind to the kind of flow interaction with a metamaterial that you envision?

Abigail Juhl to Everyone

AJ

Initial computational investigation toward passive transition delay using a phononic subsurface- AIAA

Tim Colonius to Everyone



Thanks

Arne Pearlstein to Everyone

AP

From the previous question and answer, should we infer that "programmable" allows feedback control?

Kathryn Matlack to Everyone



How can international collaborations be incorporated?

11:22 AM

Tim Colonius to Everyone



Does passive imply no energy input, or no closed-loop interaction between material and flow?

(By closed-loop I mean two-way coupling)

11:23 AM

Kathryn Matlack to Everyone



Thanks Gregg!

11:24 AM

Earl Dowell to Everyone

ED

Structures and Materials have to satisfy many design goals, e.g. buckling, flutter, thermal stress loads, etc. Is this something that should be considered?

11:25 AM

Kathryn Matlack to Everyone



Are the applications of interest limited to wall-bounded flows?

11:26 AM

2022 Town Hall - FY23 DoD MURI - Topic 18: Fluid-(Sub-) Surface Material Interactions for Passive Flow Control - Dr. Greg Abate

Arne Pearlstein to Everyone

AP

Does "tuning" allow for changes that depend on slow time scales, such as dependence on flight speed, elevation, angle of attack?

Bala Balachandar to Everyone

BB

It has been stated that the emphasis is on flow physics. However engineering new surfaces will involve many parameters. Will optimization be of interest as well apart from demonstration of ability to control the flow in novel ways.

Arne Pearlstein to Everyone

AP

Thanks.

Earl Dowell to Everyone

ED

Thank you!

Jonathan W. Naughton to Everyone

JW

Thanks Doug and Greg - this was helpful

James Brasseur to Everyone

11:33 AM



On the balance among computational, theoretical and experimental analysis: Is Integration among these important?

Kunihiko Taira to Everyone

11:35 AM



Thank you

Carlo Scalo to Everyone

11:35 AM



Thank you so much. This has been very helpful.

Mitul Luhar to Everyone

11:35 AM

ML

Thank you Gregg and Doug!

Rajat Mittal to Everyone

11:35 AM



Thanks Gregg and Doug