



TURBULENT FLOWS

Choreographer: Karolina Bieszczad-Stie

Dancer: Marta-Luiza Jankowska

Scientific collaborator: Prof. Ramis Örlü (OsloMet)

Music composer: Simen Korsmo Robertsen

Costume designer: Zofia Jakubiec

Lighting designer & laser programmer: Stein Stie

Stage designer: Katarina Caspersen

Lighting technician: Tomasz Kujawski

Seamstress: Anette Danielsen

Laser consultant: Jan Martin Vågen

Photos: Tale Hendnes

Production: Butoh Encounters

Co-production: Dansens Hus

Funded by: Arts Council Norway, The Audio and Visual Fund, FFUK,
OsloMet, Dansens Hus

Duration: 60 minutes

Premiere: 23 April 2026 at Dansens Hus, Oslo

ABOUT

Turbulent Flows is a hypnotic dance experience in which the laws of physics meet human vulnerability and strength.

A dynamic system is created on stage, each element reacting in real time: lasers cut through the haze, swirls of smoke respond to the dancer's smallest gestures, and sensors transform air movements into sound. Small disruptions have a major impact, just as they do in life.

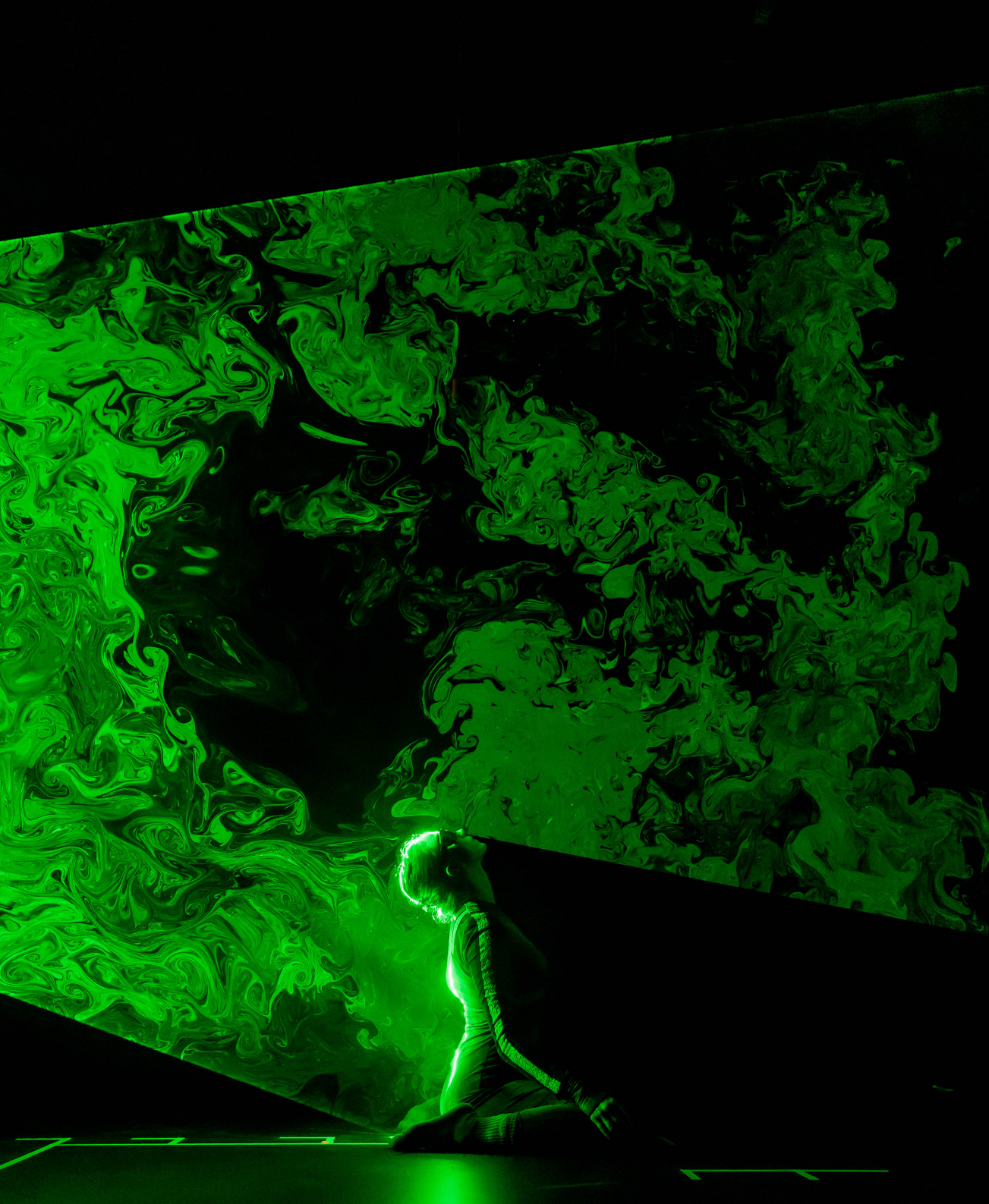
Turbulent Flows is not an attempt to tame chaos, but an exploration of how we can live in it. The production looks at what happens when control slips away, and at how new patterns, new opportunities and new understandings can be formed in the midst of uncertainty.

This is dance that weaves together experimentation, poetry and physical research. A sensory journey into the power of turbulence and our own ability to change.

 [Link to the trailer](#)

 [Link to the full documentation](#)





INSPIRATION

The work is inspired by turbulent flows – one of the most complex and unpredictable phenomena in fluid mechanics. Turbulence appears in air, water, weather systems, engines, blood flow and the atmosphere around us. It is everywhere, yet often invisible.

Created in dialogue with fluid mechanics researcher Prof. Ramis Örlü, *Turbulent Flows* approaches turbulence not as a metaphor alone, but as a physical and choreographic condition. Scientific ideas such as pressure, resistance, vortices, flow and disruption become part of the performance's movement logic.

The choreography asks what happens when the body enters a system it cannot fully control – and how instability can become a source of attention, transformation and new forms of agency.

"Turbulence is the most important unsolved problem in classical physics" - Nobel prize winner Richard Feynman

AUDIENCE EXPERIENCE

Turbulent Flows is visually precise, physically intense and atmospherically immersive.

In a time marked by ecological uncertainty, social pressure and rapidly changing systems, the work offers a sensory encounter with instability – not as something to overcome, but as something we must learn to inhabit.



Karolina Bieszczad-Stie is an Oslo-based choreographer and artistic researcher, and the founder of Butoh Encounters. Her background combines choreographic practice with academic research into performativity and alternative understandings of the body.

She holds a PhD in Performing Arts from Brunel University London, and has developed a body of work that brings dance into dialogue with complex systems and knowledge fields, including robotics, cell biology, virtual reality, blockchain technologies and neuroscience, to name a few.

Marta-Luiza Jankowska is an Oslo-based dance artist and performer. She graduated with a BA in Modern and Contemporary Dance from Oslo National Academy of the Arts, and has worked extensively in Norway and internationally as a full-time company dancer and freelance performer.

Her experience spans contemporary dance, physical theatre, film, music video and interdisciplinary projects, including work with Ingun Bjørnsgaard Prosjekt, Hege Haagenrud and Batsheva Dance Company.

CORE TEAM

Prof. Ramis Örlü is a fluid mechanics researcher specialising in turbulent flows and experimental fluid dynamics. He is Professor of Fluid Mechanics at OsloMet, Docent in Experimental Fluid Physics at KTH Royal Institute of Technology, and Adjunct Professor at the University of Bologna.

His research addresses fundamental and industrial aspects of turbulent flows, including drag reduction, wind tunnel experiments and advanced measurement methods.



TOURING INFORMATION

Available for touring: 2027-2028

Duration: 60 minutes; no interval

Style: contemporary dance

Age: 10+

Performers: 1

Touring party: 5 people total – 1 performer + 4 company team members

Preferred venue: black-box theatre or controlled stage space

Additional Formats

Artist/scientist talk, workshop for dancers and interdisciplinary researchers, lecture, seminar, possible lab visit or site-specific contextual activity.

Local Tandem Model

Turbulent Flows can be presented by a dance venue, festival or art institution, with the possibility of involving a local scientific partner as part of the wider context around the performance. It can connect naturally with universities, research centres or science institutions working with turbulence, engineering, aerodynamics, water, climate, air, wind or complex systems.



TECHNICAL SNAPSHOT

Minimum stage size: 8 m x 10 m, 5 m height

Audience setup: frontal / amphitheatre seating

Floor: even professional dance floor, covered with black dance mats

Masking: black box preferred; black back wall required, side masking if needed

Atmosphere: 2 smoke machines, 1 haze machine + 1 small handheld smoke machine; venue approval for smoke/haze required

Lasers: 3 laser units + laser control computer/software provided by the company; venue approval and safety procedures required

Projection: powerful projector required; specifications to be confirmed with the venue

Freight: lasers normally travel with the team as up to 3 checked luggage items

Sound: professional PA system required

Lighting: professional theatre lighting setup required

Local crew: 1 lighting technician + 1 sound technician

Schedule: minimum 1 full technical day before first performance; 1-2 hours on show day for spacing, checks and preset; approx. 2 hours load-out after final performance



[Link to the full technical rider](#)

If the rider has requirements that are challenging for the presenter, please get in touch so that we can find alternative solutions together.

CONTACT INFO

Artistic director

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Technical manager

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Scientific collaboration

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