

Poster Gallery Homepage

Posters will be organized by topic in a dropdown menu and showcased by poster title like the image below.

Posters A-Ab

A Hybrid Numerical Method for Modeling Shear Thinning Effect in Non-Newtonian Porous Media Flow

A Lattice Model for Chain-length Dependent Competitive Adsorption of a Polymer on a 3-Dimensional Spherical Surface

A Morphed Tracking Algorithm Applied to Bats

A Multiscale Gradient Descent Algorithm for the Reconstruction of Material Data in X-Ray Images

A New Theory of Fractional Differential Calculus and Fractional Sobolev Spaces

A PDE-based Single Image Super Resolution Algorithm using Data-Driven Cellular Neural Network

A PDE-Based Method for Efficient Shape Transformation


A Temporal Model for Task-based Functional MRI Reconstruction

A Weno Based Numerical Method for Non-Linear Coupled Reaction-Convection-Diffusion System


Poster Booth Example

APPROXIMATIONS OF CELL-INDUCED PHASE TRANSITIONS IN FIBROUS BIOMATERIALS: GAMMA-CONVERGENCE ANALYSIS

Welcome to our booth!




Have a business card



VIDEO: SIMULATING CONTRACTING CELLS.

Poster

See our poster:
 Qries

Abstract: Increasingly sophisticated mathematical techniques are needed in order to describe biological phenomena. The mechanical behaviour of the extracellular matrix (ECM) is modelled and analysed from a macroscopic perspective, using the theory of nonlinear elasticity for phase transitions. A combination of computational predictions based on the mathematical model, also... >> More

REFERENCES

Cells exploit a phase transition to establish interconnections in fibrous extracellular matrices
<https://arxiv.org/abs/1905.11246>


Approximations of cell-induced phase transitions in fibrous biomaterials: Γ -convergence analysis
<https://arxiv.org/abs/1907.01382>

Georgios Grekas, Post-Doctoral Associate, Aerospace Engineering and Mechanics, University of Minnesota, grekas@umn.edu

I would be happy to present part of work, please feel free to contact me.

Poster Booth Example

WELCOME TO OUR BOOTH!



**PRINCETON
UNIVERSITY**

Leave business card

**Mean Field Games Modeling
of Carbon Emission Behavior
and the Effect of Carbon Tax**

SHORT INTRODUCTION

Mean-field game & control models are proposed to model the equilibrium behavior of electricity producers who control how much nonrenewable & renewable energy to use in the production and the influence of carbon tax on this behavior. Later, a regulator is added to the model where the Stackelberg Equilibrium with Mean Field Game & Control Models is analyzed.



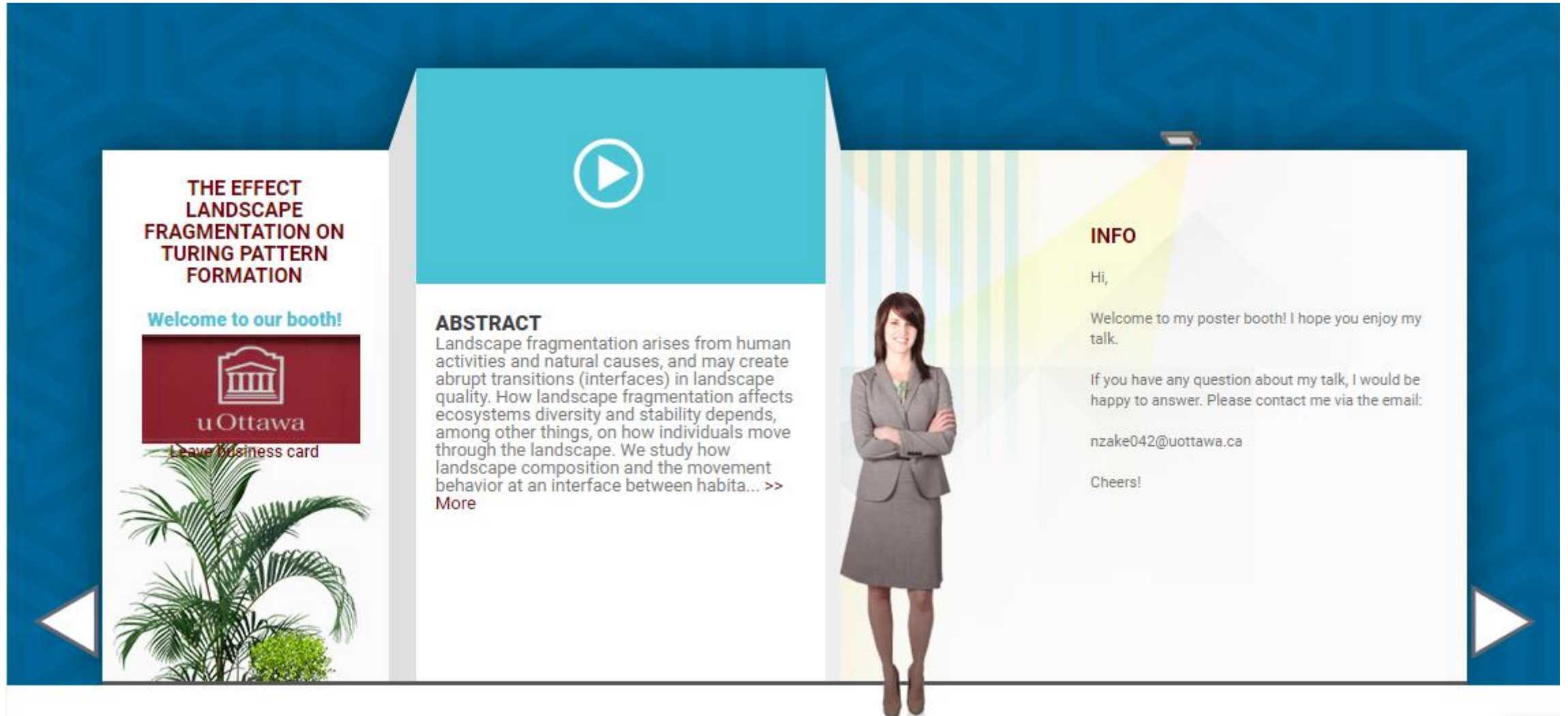
Here is a short video that we introduce the mean field models and the numerical results. The youtube link and slides can be found below.

INFORMATION

Slides
GokceDayanikli CarbonEmissions AN20

Presenter: Gokce Dayanikli
(gokced@princeton.edu)
<https://www.youtube.com/watch?v=Z6hk8rcUAfl>
This is a joint work with Rene Carmona & Mathieu Lauriere

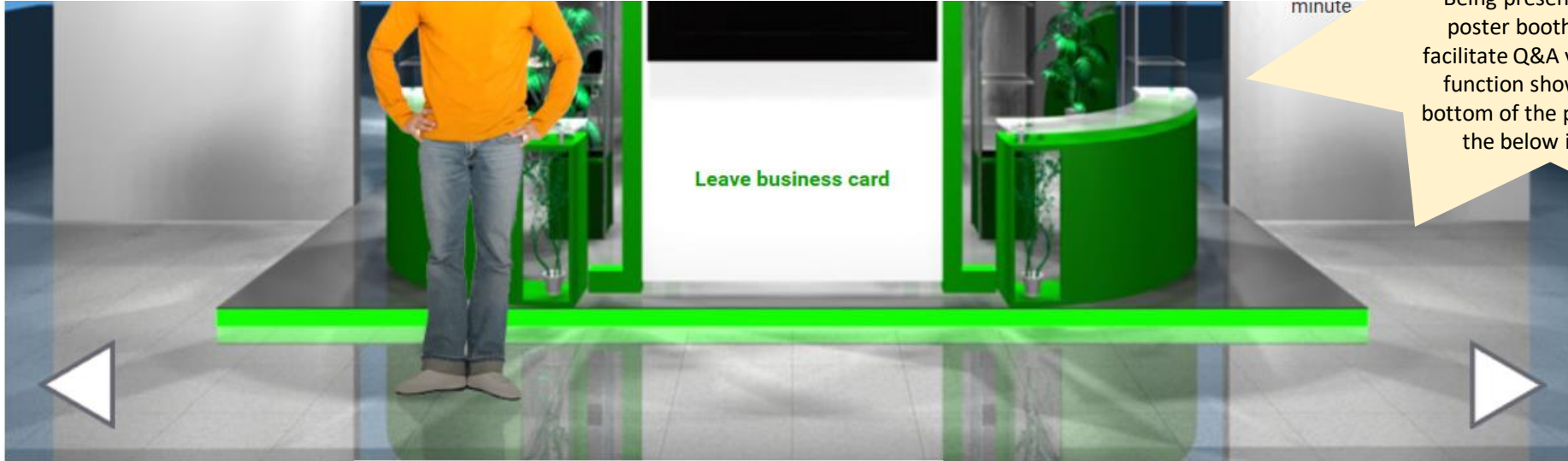
Poster Booth Example



Poster Booth Chat Function

minute

Manning your booth would look like the below. Being present on your poster booth page to facilitate Q&A via the chat function shown at the bottom of the page (like in the below image).



Kayla Chandler (Virtual Inc) >>

1 Speakers 0 Viewers

★ ⚙ ⏻

Allison Stroud (Philips Healthcare): Hi everyone 08-03 11:41

Sally Lin (Philips Healthcare): Hello hello 08-03 11:44

AnneMarie Kahrovic (ISMRRM): Allison - you still there - I was going to try a video chat with you 08-03 11:56

Tim Berry (Community Brands): Test 08-04 10:45

😊 📎