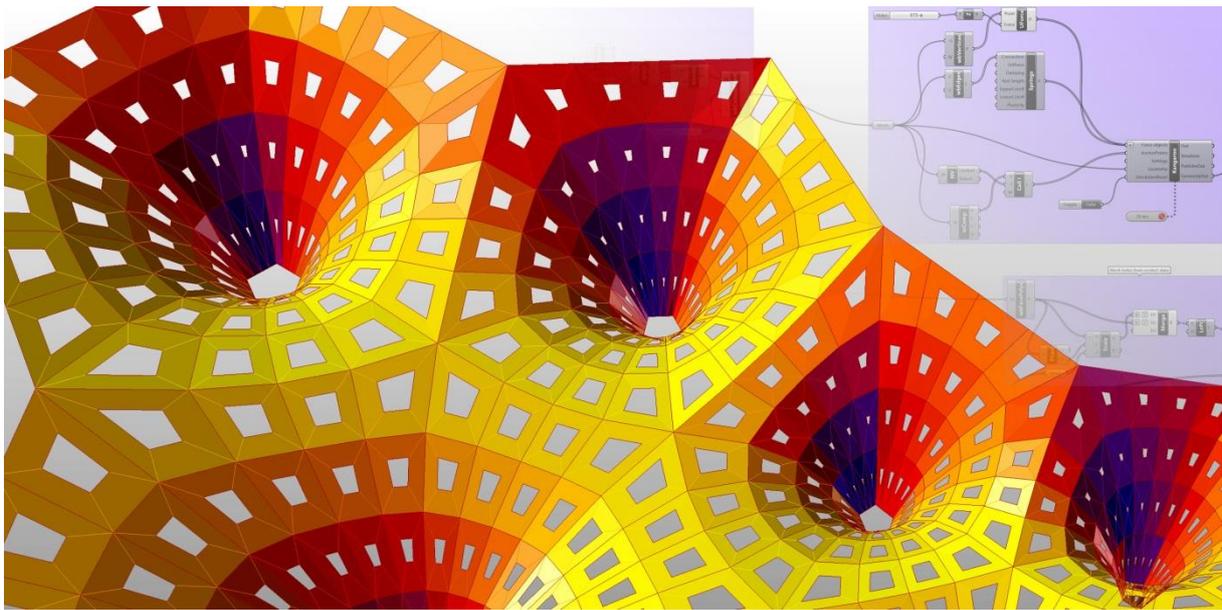




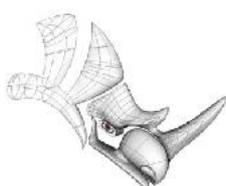
**idz**  
arhitectură

## MODULE 04/ GRASSHOPPER INTERMEDIATE & ADVANCED



Module 04 / Grasshopper advanced course is intended for architects and designers who are interested in its application in current practice, using the latest plug-ins emerged. The trainees will learn to use these extensions in order to integrate numerous tools for analysis and simulation in the architectural process.

This course aims to develop a link between the virtual and the real context model through structural or environmental simulations, using other software or plug-ins dedicated. Through this link the virtual model receives physical properties that can further modify and adapt the initial model. This creates feedback loops that can optimize the design to provide an object responsive to environmental conditions.



**RhinoCeros**  
Modelare NURBS pentru Windows



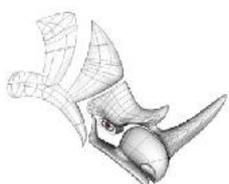
**grasshopper**  
MODELARE GENERATIVA PENTRU RHINO

MORE INFORMATION ON:  
e-mail: [training@idz.ro](mailto:training@idz.ro)  
[www.idz.ro](http://www.idz.ro)

YOU'LL FIND US ON FACEBOOK:  
[http://www.facebook.com/  
cursuri-grasshopper-rhinoceros](http://www.facebook.com/cursuri-grasshopper-rhinoceros)

## Curriculum

- Mesh subdivision with Weaverbird, continuous surfaces without NURBS
- Genetic optimization with Galapagos, optimal search
- Physical environment feedback with Diva and Geco, solar and day lighting analysis
- Adding physical properties with Kangaroo Physics, interactive form-finding
- Linking the parametric model with structural analysis using Karamba, structural performance simulation
- Extracting data with Firefly and Kinect, 3D scanning and human movement tracking
- Exchange of information between Grasshopper and other applications with Ghoul links to internet feeds or Excel files.



**Rhino**ceros  
Modelare NURBS pentru Windows



**grasshopper**  
MODELARE GENERATIVA PENTRU RHINO

MORE INFORMATION ON:  
e-mail: [training@idz.ro](mailto:training@idz.ro)  
[www.idz.ro](http://www.idz.ro)

YOU'LL FIIND US ON FACEBOOK:  
[http://www.facebook.com/  
cursuri-grasshopper-rhinoceros](http://www.facebook.com/cursuri-grasshopper-rhinoceros)