



McNeel Europe

European division of Robert McNeel & Associates

eCAADe 2009 Workshops

Rhinoceros - NURBS 3D Modeling

In this class you'll learn to create and edit accurate free-form 3-D NURBS models. This fast-moving class covers most of Rhino's functionality, including the most advanced surfacing commands.

- Course outline: While the base will be the Rhino Level 1 training (www.rhino3d.com/training/outline-1.pdf), we have prepared specific Architecture examples and an overview of PanelingTools.
- Duration: 2 days (8 hours/day). September, 14-15
- Cost: free of charge for eCAADe 2009 attendees*
- Prerequisites: Windows skills and a desire to model. Previous drafting and modeling experience helpful but not required.
- Instructor: Carlos Pérez, Rhinoceros Training Specialist - McNeel Europe

RhinoScript, VB Scripting in Rhino

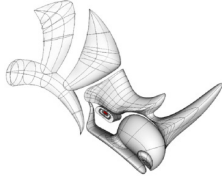
In this intensive 2-day workshop you will learn how to extend Rhino's functionalities and your user experience through creating and executing scripts. This class covers the basics of Visual Basic Script [vbScript] the main scripting language used within the Rhino environment. Participants will learn about using variables, arrays, conditional statements, looping, and custom functions in order to exploit the scripting functionality embedded into Rhino.

- Course outline: www.eu.rhino3d.com/training/RhinoScript_Level1.pdf
- Duration: 2 days (8 hours/day). September, 14-15
- Cost: free of charge for eCAADe 2009 attendees*
- Prerequisites: Visual Basic and Rhinoceros experience.
- Instructor: Luis Fraguada, Architect - Live Architecture Network (<http://www.livearchitecture.net/>)

Grasshopper, Generative Modeling for Rhino

For designers who are exploring new shapes using generative algorithms, **Grasshopper**[™] (<http://grasshopper3d.com/>) is a graphical algorithm editor tightly integrated with Rhino's 3-D modeling tools. Unlike RhinoScript, Grasshopper requires no knowledge of programming or scripting, but still allows designers to build form generators from the simple to the awe-inspiring.

- Course outline: <http://en.wiki.mcneel.com/default.aspx/McNeel/GrassHopperWorkshop.html>
- Duration: 2 days (8 hours/day). September, 14-15
- Cost: free of charge for eCAADe 2009 attendees*
- Prerequisites: Rhinoceros experience and a desire to learn generative modeling. Previous scripting experience helpful but not required.
- Instructor: Giulio Piacentino (<http://www.giuliopiacentino.com/>), Architect - McNeel Europe



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Registration to the workshops

Registration to the McNeel workshops is free of charge for eCAADe 2009 attendees*. Contact Carlos Pérez (carlos@mcneel.com) with the following info:

- which workshop do you want to join
- complete name, e-mail, phone
- name and details of your educational institution
- proof of teacher status (see <http://www.rhino3d.com/proof.htm>).

**Educators have preference over the rest of attendees*

Important Information

Our workshops will be held at Yildiz Technical University School of Architecture, Istanbul (<http://www.yildiz.edu.tr/english/index2.php>), from 9am to 5:30pm.

Participants will need to bring their own laptop with the following software installed:

- Rhino 4.0 SR5b Commercial or Evaluation (<http://www.rhino3d.com/download.htm>)
- Monkey Script Editor (<http://en.wiki.mcneel.com/default.aspx/McNeel/MonkeyForRhino4.html>)
- Grasshopper (<http://www.grasshopper3d.com>)

Questions

Contact Carlos Pérez (carlos@mcneel.com)