



Rhino New Developments Day 2023 Agenda

Date: Tuesday, April 25th, 2023

Location: [The University of Westminster, Marylebone Campus, 35 Marylebone Road, NW1 5LS](#)

time	topic	speaker
10:00	Welcome	
10:20	Rhino and GH Developer Roadmap	Steve Baer and Brian Gillespie
10:40	Package Manager / Yak	Will Pearson
11:00	Food4Rhino	Cécile Lamborot
11:20	Coffee Break	
11:40	Python in Rhino 8 (IronPython and CPython)	Steve Baer and Ehsan Iran-Nejad
12:00	Code Editor	Ehsan Iran-Nejad
12:20	GH1 Data Types	Andy Payne
12:40	GH2	David Rutton
13:00	Lunch Break	
13:20		
13:40		
14:00	Rhino.Inside	Japhy Walton and Scott Davidson
14:20		
14:40	Rhino.Compute and Hops	Andy Payne
15:00		
15:20	rhino3dm	Luis Fraguada
15:40	iRhino	Morteza Karimi
16:00	Coffee Break	
16:20	Elevating tool development at KPF with Rhino.Compute	Justyna Szychowska - KPF
16:40	Grasshopper on the Web: Why We Should Do It and Why We Shouldn't	Chuck Driesler - Hypar
17:00	Component injection and other dev hacks: how we make our own lives easier	Thibault Schwartz - HAL Robotics
17:20	Digital Design advances at Eckersley O'Callaghan	Miriam Dall'Igna - Eckersley O'Callaghan
17:40	Closing	





3rd Party Developer Presentations

Elevating tool development at KPF with Rhino.Compute

Join us as we delve into the practical applications of Rhino.Compute for in-house tool development at KPF, focusing on Rhino plugins and web-based solutions. Learn from experienced developers as they share valuable insights and demonstrate the capabilities of Rhino.Compute in streamlining workflows and enhancing collaboration within the Rhino (and not only) ecosystem.

Justyna Szychowska
KPF

Grasshopper on the Web: Why We Should Do It and Why We Shouldn't

In which I discuss the technical implementation of, challenges surrounding, and conclusions drawn from two "Grasshopper on the Web" projects: Hypar's Grasshopper functions, which allow "existing" work to integrate with our parametric model, and NodePen, which promises to "literally just be Grasshopper" from the browser. I hope to finally answer the age-old question – "Isn't this ShapeDiver?"

Chuck Driesler
Hypar

Component injection and other dev hacks: how we make our own lives easier

This presentation is a peek at a few tools and techniques used internally at HAL Robotics to improve developer productivity, minimize toolbar cluttering and improve the robustness of our Grasshopper components. Topics: plugins for GH plugins, component publishing via reflection, WPF bindings for GH.

Thibault Schwartz
HAL Robotics

Digital Design advances at Eckersley O'Callaghan

This talk aims to provide a brief overview of specialist tools in development at EO'C's Digital Design pipeline, illustrate with two case studies of tools in a more advanced state and conclude with food for thought on current tool development, workflows, and future developments.

Miriam Dall'igna
Eckersley O'Callaghan



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Speakers and McNeel Staff at STF

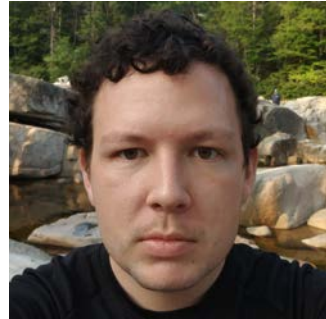
Justyna Szychowska
Software Developer,
Kohn Pedersen Fox

Justyna Szychowska is a Software Developer at the KPF Urban Interface team and a Rhino.Compute and web development tutor at the Institute for Advanced Architecture of Catalonia. Spearheading software development efforts at KPF, Justyna's expertise spans across diverse environments, including web, Rhino plugins, XR, and more. Justyna has previously worked as Computational Design Specialist at Grimshaw, led workshops at universities like University of Westminster, UCL and is a hackathon enthusiast.



Chuck Driesler
Software Developer,
Hypar

Chuck Driesler is a software developer at Hypar. He has previously worked on architectural software at WeWork, Ladybug Tools, and HOK. Currently living in London, he graduated in 2019 with a B.Arch from Pratt Institute in Brooklyn.



Thibault Schwartz
Co-founder and CTO,
HAL Robotics

Thibault Schwartz is co-founder and CTO of HAL Robotics, a London-based software company focusing on novel applications of robotics in manufacturing, construction and creative industries. Architect turned robotics expert, he actively participated in the democratisation of robotics in AEC since 2011.



Miriam Dall'Igna
Associate Director -
Digital Design Lead
Eckersley O'Callaghan

Miriam has deep experience in applied integration of architectural, structural and environmental design, having led technical design of landmark projects for one of the leading architectural firms in the world (Foster+Partners) for more than a decade. She recently joined Eckersley O'Callaghan engineers and works across three groups: Structures, Facade and Glass engineering leading their computational design strategy in London. She is also Visiting Professor in Computational Design methods at the University of Westminster. Her background is in Architecture and Computer Science and her interests lie in the intersection between cutting-edge research and practice.



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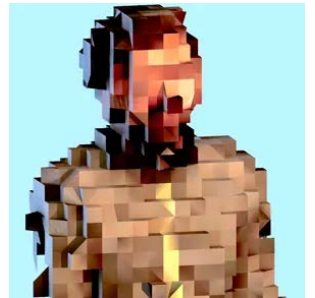
Brian Gillespie

Brian Gillespie is the Rhino Product Manager from Seattle, WA, USA. He loves understanding complex systems and building computational tools to make life easier for people.



Luis Fraguada

Luis Fraguada is a creative developer based in Barcelona, Spain. Background in architecture (buildings) and software development. Luis works on the rhino3dm library and related projects.



Scott Davidson

Scott Davidson has handled business development at Robert McNeel & Associates since 1992. Scott works directly with customers and development partners to help create market specific solutions. He is always searching for tools, techniques and technologies that may be helpful to the Rhino community. He enjoys discovering the ways various ways people use Rhino.



Japhy Walton

Japhy Walton is an Applications Specialist in the use of Rhino - Grasshopper - Rhino.Inside.Revit.



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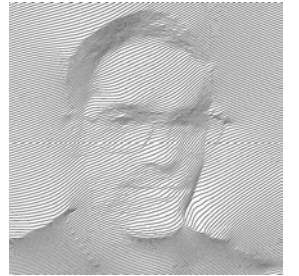
Morteza Karimi

Morteza Karimi is a Software Developer at McNeel. He has a background in architecture and is currently developing iRhino3D.



Daniel Piker

A trained architect, who works with the Specialist Modelling Group (SMG) at Foster + Partners, Daniel Piker is also the developer of the Kangaroo plug-in for Rhinoceros and Grasshopper.



Andy Payne

Andy Payne is an architect and software developer at McNeel whose work focuses on Rhino.Compute and Grasshopper.



Guillermo Varela

Guillermo Varela is an architect and is part of McNeel Europe's Tech Support and Training team for Rhino and Grasshopper.



Vanessa Steeg

Vanessa Steeg is an Industrial Designer, currently focused on creating Documentation and doing tech support for Rhino. She enjoys coming up with tailor-made workflows for modeling issues.



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Ehsan Iran-Nejad

Ehsan is an ex-Architect who likes computers very much. He spends his time working on a new code editor for Rhino and enjoy what Kike and Japhy are building with Rhino.Inside.Revit.



Andrew le Bihan

British Architect. Programmer and project manager at McNeel since 2002. Head of visualization development.



Bob McNeel

Robert (Bob) McNeel is the founder and president of Robert McNeel & Associates (RMA).



Steve Baer

Steve lives in Seattle, WA where he designs and types on many software projects that have Rhino somewhere in their name (Rhino, RhinoCommon, rhino3dm, iRhino, Rhino.Inside).



Cécile Lamborot

Cécile is a French translator and a member of food4Rhino and support teams of McNeel Europe.



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Kike Garcia

Based in Barcelona, Kike Garcia is a McNeel developer currently focused Rhino, Revit and Grasshopper.



Carlos Pérez

Based in Barcelona, Carlos Pérez is the Business Development, Sales & MKT Manager of McNeel in EMEA. Background in Economics and Design.

<https://www.linkedin.com/in/carlosperezalba/>



Will Pearson

Will is a software developer at Robert McNeel & Associates. His work, in and around Rhinoceros, includes the Rhino package manager, build automation and infrastructure, and helping users to build cool things on top of Rhino.



David Rutten

A graduate of TUDelft Architecture and Urbanism faculties. Worked for Robert McNeel & Associates since 2006 on several programs, the most important of which is the Grasshopper visual programming environment for Rhinoceros 3D.



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Doaa Alsharif

Doaa Alsharif is a member of Robert McNeel & Associates training and development team. She has a special interest in architectural geometry, parametric design, and education. She's an Authorized Rhino Trainer and has taught graduate-level courses in digital design methodologies in architecture.



Gijs de Zwart

Gijs de Zwart is a freelance industrial design engineer, specializing in high-quality visualization, with expertise in Rhino and Grasshopper and experience in developing Rhino plugins. He has recently joined McNeel to provide technical support and contribute his skills to the company.



Pedro Cortes

Pedro Cortés is a developer and technical support specialist at McNeel Europe. Since he joined the company in 2021, he develops several projects, including Rhino.Inside Revit. Thanks to his experience as a Rhino and Grasshopper plugin developer, he supports third-party developers and participates as a teacher in events and workshops. In addition, Pedro collaborates in the Rhino User Webinars, a series of talks in which professionals and experts share their advances in new technologies (AI, ML) with McNeel tools (Grasshopper, Rhino.Compute, Rhino.Inside).

