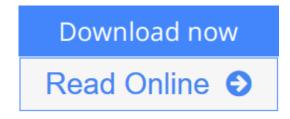# AutoCAD Platform Customization: User Interface, AutoLISP, VBA, and Beyond

By Lee Ambrosius

AutoCAD Platform Customization: User Interface, AutoLISP, VBA, and Beyond By Lee Ambrosius

Take control of AutoCAD for a more efficient, streamlined workflow

AutoCAD Platform Customization is the most comprehensive guide to streamlining and personalizing the AutoCAD platform. The AutoLISP and VBA programming languages open up a myriad of customization options, and this book provides expert guidance toward applying them to AutoCAD, Civil 3D, Plant 3D, and other programs based on the Autodesk AutoCAD platform. Detailed discussions backed by real-world examples and step-by-step tutorials provide user-friendly instruction, and downloadable datasets allow for hands-on learning. Through customization you can increase screen real estate, streamline workflows, and create more accurate drawings by unleashing powerful programming languages that allow the user to command the software how to work, instead of the other way around.

AutoCAD customization is commonly performed by system administrators and CAD managers, but senior drafters and savvy users are increasingly taking customization into their own hands. AutoLISP and VBA are two popular and versatile tools that allow for going beyond the boundaries of normal user interface customization options, allowing users to:

- Enforce drawing and CAD standards, and automate repetitive tasks
- Customize the workspace, including tool sets, ribbon tabs and panels, and palettes
- Modify graphical objects, set system variables, integrate with external software, and more
- Manage blocks, change the interface, create dialog boxes, and communicate with Microsoft Office applications

The ideal design environment puts the tools you need right at your fingertips, removes unnecessary steps, and fosters precision through good communication. Customizing, including applying AutoLISP and VBA to AutoCAD, enables all of this and much more. For the designer who needs to work smarter because it's impossible to work any harder, *AutoCAD Platform Customization* provides the key information, insight, and techniques that will help to increase your

productivity with AutoCAD.

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Editorial Review

From the Back Cover

Take control of AutoCAD to boost the speed, quality, and precision of your work

Senior drafters and savvy users are increasingly taking AutoCAD customization out of the hands of system administrators, and taking control of their own workflow. In *AutoCAD Platform Customization,* Autodesk customization guru Lee Ambrosius walks you through a multitude of customization options using detailed tutorials and real-world examples applicable to AutoCAD, AutoCAD LT, Civil 3D, Plant 3D, and other programs built on the AutoCAD platform. By unleashing the full power of the software, you'll simplify and streamline the entire design process.

Become an AutoCAD powerhouse as you learn to:

- Enforce drawing and CAD standards, and automate repetitive tasks
- Customize the workspace, including tool sets, ribbon tabs and panels, and palettes
- Modify graphical objects, set system variables, integrate with external software, and more
- Manage blocks, change the interface, create dialog boxes, and communicate with Microsoft Office applications
- Utilize the AutoLISP and VBA macros that streamline the workflow and simplify tasks
- Automatically validate and update drawing information with immediate database communication
- Adjust layouts, external references, menus and other interface systems, and even the drawing space itself

About the Author

LEE AMBROSIUS is a Principal Learning Content Developer for the AutoCAD and AutoCAD LT products at Autodesk. He has worked on end-user and API documentation for eight releases, presented customization and programming sessions at Autodesk University for a decade, and has authored and coauthored several AutoCAD related books.

Users Review

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Frances Heath:

The book AutoCAD Platform Customization: User Interface, AutoLISP, VBA, and Beyond can give more knowledge and information about everything you want. Why must we leave a good thing like a book AutoCAD Platform Customization: User Interface, AutoLISP, VBA, and Beyond? Some of you have a different opinion about e-book. But one aim which book can give many data for us. It is absolutely appropriate. Right now, try to closer along with your book. Knowledge or details that you take for that, you are able to give for each other; you may share all of these. Book AutoCAD Platform Customization: User Interface, AutoLISP, VBA, and Beyond has simple shape however, you know: it has great and big function for you. You can seem the enormous world by open and read a reserve. So it is very wonderful.

Rolando Gil:

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Debra Sims:

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Judith Judd:

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