

# Sync vs Async Communication

Request and wait for a response  
Fire and forget with messages/events

@lorenz/23

## Synchronous



Request-response model

Send a request and wait for some response  
Example: API requests

## Asynchronous



Fire and forget model

Send message/event and forget  
Example: Event Driven Architecture

# Async Communication For Beginners

**Guillaume Favre**

A decorative graphic element consisting of a light blue horizontal bar with a rounded right end, and a red circular glow behind it.

## **Async Communication For Beginners:**

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your programs or to loop over the same piece of code many times Once you're comfortable with the basics you'll move on to one of the key ideas in JavaScript the object You'll learn how to take advantage of the objects that are native to the JavaScript language such as dates and strings and find out how these objects enable you to manage complex data and simplify your programs Next you'll see how you can use JavaScript to manipulate objects made available to you in the browser such as forms windows and other controls Using this knowledge you can start to create truly professional looking applications that enable you to interact with the user Long pieces of code are very hard to get right every time even for the experienced programmer and JavaScript code is no exception You look at common syntax and logical errors how you can spot them and how to use the Microsoft Script Debugger to aid you with this task Also you need to examine how to handle the errors that slip through the net and ensure that these do not detract from the experience of the end user of your application From here you'll move on to more advanced topics such as using cookies and jazzing up your web pages with dynamic HTML and XML Finally you'll be looking at a relatively new and exciting technology remote scripting This allows your JavaScript in a HTML page to communicate directly with a server and useful for say looking up information on a database sitting on your server If you have the Google toolbar you'll have seen something like this in action already When you type a search word in the Google toolbar it comes up with suggestions which it ge

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book so prior experience with the language is not required  
Asynchronous Learning Networks F. Jill Charboneau,1999

Teaching a College-level Communication Course Via  
The ARRL Handbook for Radio Communications ,2003

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*Automating the Office* Elizabeth Ann Regan,1989  
**Data Communications and Networking Fundamentals Using Novell NetWare** Emilio Ramos,Al Schroeder,Lawrence Simpson,1992  
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Conference Proceedings ,1984  
**Frontiers in Computer Communications Technology** J. J. Garcia-Luna-Aceves,1988  
**Parallel, Asynchronous Executive (PAX)** William H. Jones,1983  
**Real-time Computing** Duncan A. Mellichamp,1983  
**Voice and Data Communications Handbook** Regis J. Bates,Donald W. Gregory,1998  
Written from a user friendly perspective in non technical language and based on the successful Data Tech Institute seminar this is the most comprehensive up to date reference on all aspects of voice and data communications available The handbook will be of value to communications professionals who need this knowledge to meet the requirements of proliferating PC LAN networks

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