

# Sync vs Async Communication

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

@honey/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 Latest

**F. Jill Charboneau**



## **Async Communication Latest:**

Recent Advances in the Message Passing Interface Claudia Blaas-Schenner, Christoph Niethammer, Tobias Haas, 2024-09-24 This volume LNCS constitutes the refereed proceedings of 31st European MPI Users Group Meeting EuroMPI 2024 held in Perth WA Australia during September 25 27 2024 The 8 full papers presented here were carefully reviewed and selected from 19 submissions These papers have been categorized under the following topical sections Compile time Correctness checks and optimization Limitations and Extensions for GPGPUs in MPI Improvements for MPI and MPI Ecosystem

**Recent Advances in Parallel Virtual Machine and Message Passing Interface** Alexey Lastovetsky, Tahar Kechadi, Jack Dongarra, 2008-09-15 This book constitutes the refereed proceedings of the 15th European PVM MPI Users Group Meeting held in Dublin Ireland in September 2008 The 29 revised full papers presented together with abstracts of 7 invited contributions 1 tutorial paper and 8 poster papers were carefully reviewed and selected from 55 submissions The papers are organized in topical sections on applications collective operations library internals message passing for multi core and multithreaded architectures MPI datatypes MPI I O synchronisation issues in point to point and one sided communications tools and verification of message passing programs The volume is rounded off with 4 contributions to the special ParSim session on current trends in numerical simulation for parallel engineering environments

**Recent Advances in Parallel Virtual Machine and Message Passing Interface** Marian Bubak, Jack Dongarra, Jerzy Wasniewski, 1997-10-15 This book constitutes the refereed proceedings of the 4th European Parallel Virtual Machine and Message Passing Interface Users Group Meeting PVM MPI 97 held in Cracow Poland in November 1997 Parallel Virtual Machine and Message Passing Interface are the most popular tools for programming in accordance with the message passing paradigm which at present is considered to be the best way to develop effective parallel programs The book presents 63 carefully selected papers covering the whole range of PVM MPI issues The papers are organized in sections on evaluation and performance extensions and improvements implementation tools algorithms and applications in science and engineering

Beginning JavaScript Jeremy McPeak, 2015-02-18 The bestselling JavaScript guide updated with current features and best practices Beginning JavaScript 5th Edition shows you how to work effectively with JavaScript frameworks functions and modern browsers and teaches more effective coding practices using HTML5 This new edition has been extensively updated to reflect the way JavaScript is most commonly used today introducing you to the latest tools and techniques available to JavaScript developers Coverage includes modern coding practices using HTML5 markup the JSON data format DOM APIs the jQuery framework and more Exercises with solutions provide plenty of opportunity to practice and the companion website offers downloadable code for all examples given in the book Learn JavaScript using the most up to date coding style Understand JSON functions events and feature detection Utilize the new HTML5 elements and the related API Explore new features including geolocation local storage and more JavaScript has shaped the Web from a passive medium into one that is

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PC Tech Journal ,1989     Micro Communications ,1984     **The New Internet Business Book** Jill H.

Ellsworth,Matthew V. Ellsworth,1996-01-31 Extensively revised and updated this book shows users what their business can do to the Net and how to do it It offers step by step advice for getting on the Internet and conducting all sorts of business from doing market research and obtaining competitive information to announcing products and making sales The list of Internet business resources has also been expanded

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