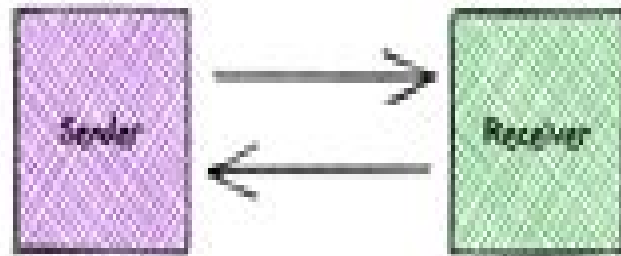


# Sync vs Async Communication

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

@lorey/23

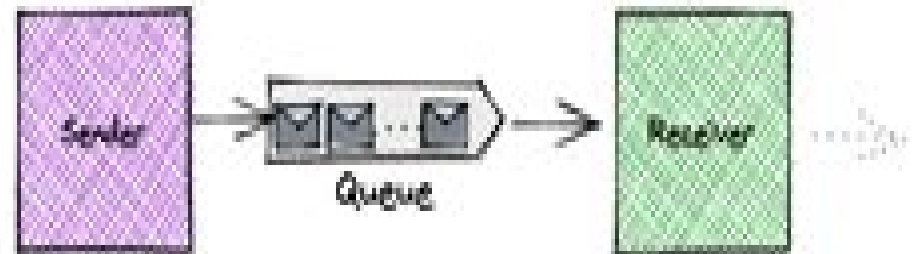
## Synchronous



Request-response model

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

## Asynchronous

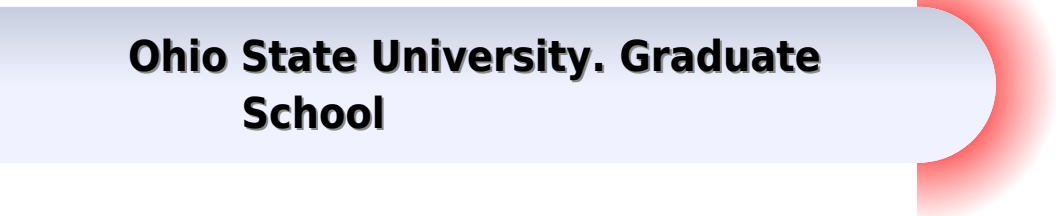


Fire and Forget model

Send message/event and forget  
Example: Event Driven Architecture

# Advanced Async Communication

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## **Advanced Async Communication:**

**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

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**The Brave New World of eHR** Hal Gueutal, Dianna L. Stone, 2015-02-27 The Brave New World of eHR is an important resource filled with the most current information and practical advice on eHR for human resource professionals and industrial and organizational psychologists Written by an expert group of scholars practitioners and subject matter experts this book offers an overview of the major technological trends in eHR and shows how to use technology to enhance organizational effectiveness Comprehensive in scope the book includes information on a wide variety of topics and Reviews the transformation of human resources from manual processes to sophisticated CRM and ERP systems Examines the effectiveness of online strategies for attracting talent Offers valuable guidelines that can help organizations design deliver implement and sustain e selection systems Includes a review of the recent research on the effectiveness of distance learning in educational and organizational settings Analyzes the potential advantages and disadvantages of using eHR to manage employee performance Shows how technology supports the administration of compensation systems Outlines recent trends in delivering HR products and services Considers the functional and dysfunctional consequences of using eHR to attract select and manage the performance of employees in organizations Presents a fascinating and futuristic look at HR and technology for decades to come *McGraw-Hill's Compilation of Data Communications Standards* Harold C. Folts, 1982

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Data Communications, 1995 PC-host Communications Hans-Georg Göhring, Erich Jasper, 1993 This book provides an overview of the technology and examines the procedures involved in data transmission both in LANs and WANs Advice on

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**Computer & Telecommunications Acronyms** Julie E. Towell, Helen E. Sheppard, Gale Research Company, 1986

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