

# IRTL

## Information Resource Transaction Layer

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Lab and Project Websites:  
<http://imint.syr.edu/irtl/>

**CalcP2P Design,  
Development & Implementation**

### Goals:

#### Reputation Management

Based on self-opinion and other peer opinions

#### Transaction Accounting

Accounting policies for transactions involving peer charging information

#### Test-Bed Application

A P2P application written in JXTA framework

### Future Project Plan

#### -- 2003 Summer:

Complete Version 0.9B of CalcP2P  
and deploy at Syracuse University

#### 2003 Spring—Fall:

Implement the research work on Reputation  
Management and Transaction Accounting as  
changeable components to CalcP2P

### Project Outcomes

#### Publications:

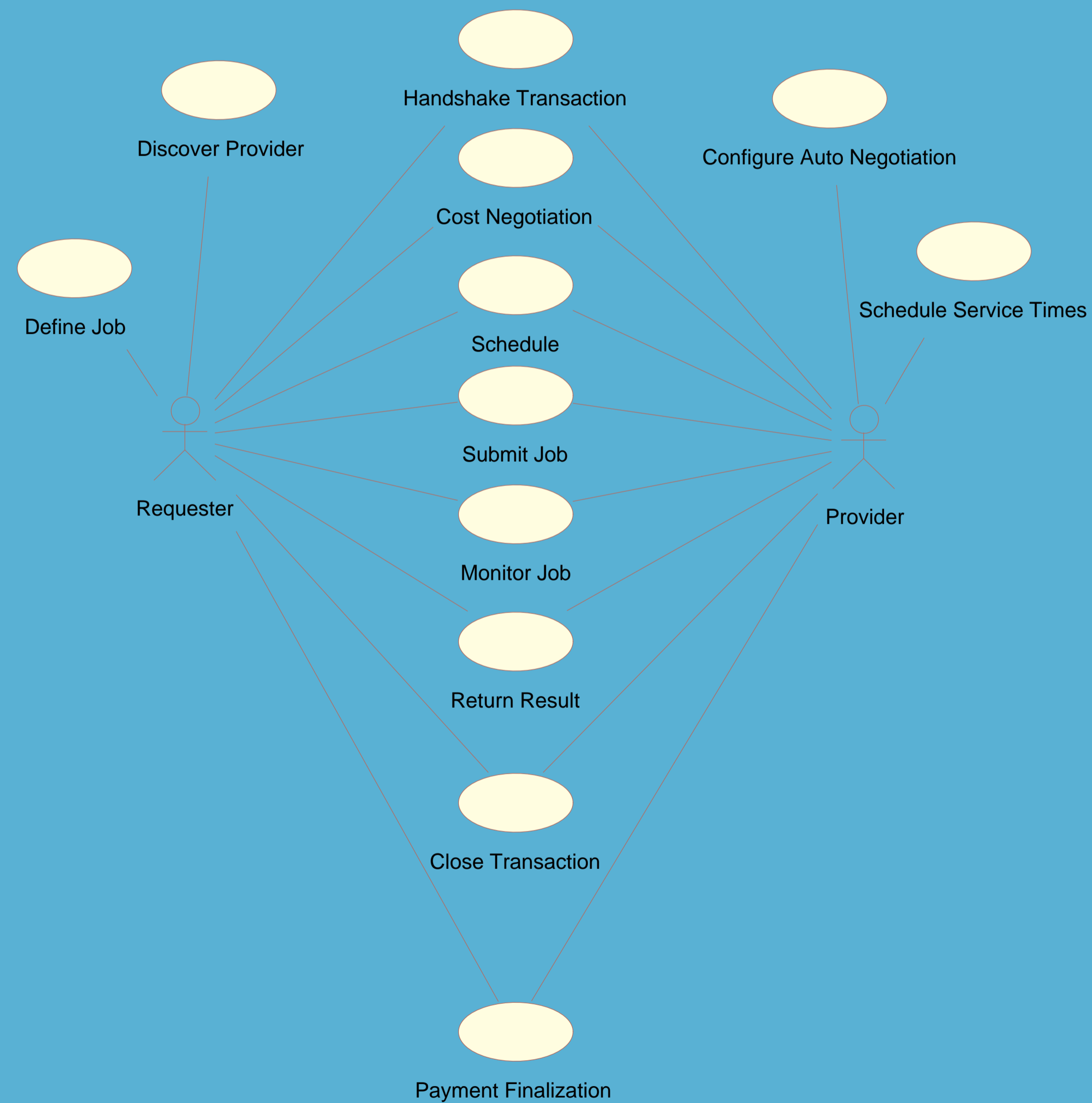
Junseok Hwang, Praveen Aravamudham, Elizabeth Liddy, Jeffrey Stanton, and Ian MacInnes, "Charging Control and Transaction Accounting Mechanisms Using IRTL (Information Resource Transaction Layer) Middleware for P2P Services", Lecture Notes in Computer Science 2511, p239ff - From QoS Provisioning to QoS Charging.

Hwang, Junseok, Aravamudham, Praveen, Liddy, Elizabeth, Stanton, Jeff and MacInnes, Ian, "IRTL (Information Resource Transaction Layer) Middleware Design for P2P and Open GRID Services", 36th HICSS, Big Island of Hawaii, USA.

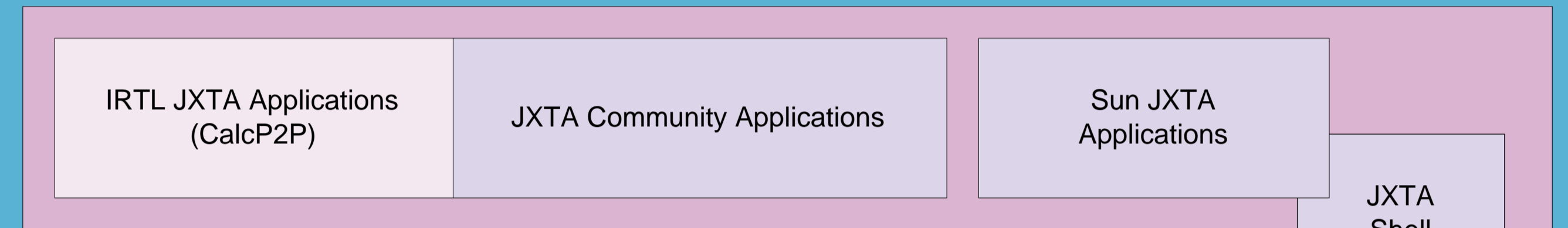
### Software:

CalcP2P and API

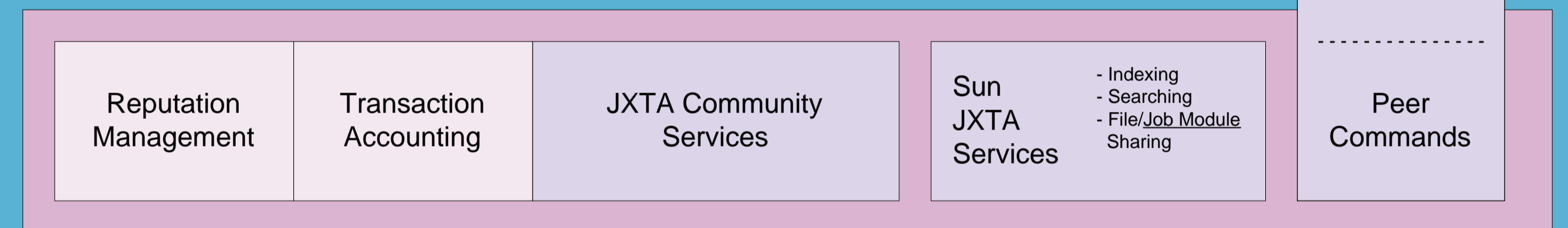
# CalcP2P



## JXTA Applications



## JXTA Services



## JXTA Core

