

IBM's SanFrancisco

IBM San Francisco is a rich set of business process components which leverage the power of Java and a distributed services foundation to provide a solid structure for building robust, internet-enabled software solutions. IBM SanFrancisco simplifies the move to distributed and easily customizable applications by providing developers with a distributed infrastructure and a starter set of well-designed business object framework code for their applications.

The innovative IBM SanFrancisco distributed object infrastructure, built in Java, along with the comprehensive extendable Business Process Components, has advanced the overall Java industry adoption rate. The frameworks provide an application template consisting of object definitions, code, GUIs, application utilities and samples which implement approximately 40% of a typical completed BMS application system. This work has culminated in more than 40 patents.

IBM SanFrancisco is constructed with three layers of reusable code for use by application developers. The highest layer, called the Core Business Processes, provides business objects and default business logic for vertical domains. There are several towers in this layer, each corresponding to a specific domain (e.g., financials, logistics, distribution). The second layer, called the Common Business Objects, provides definitions of commonly used business objects that can be used as the base for interoperability between applications. The lowest layer provides the infrastructure and services that are required to build industrial-strength applications using distributed, managed objects on multiple platforms.

Applications developers can choose to exploit the frameworks at any of the three layers. For example, they could choose to build directly on the base, and develop their own frameworks and business objects, or they could choose to use the Core Business Processes and just make the extensions needed to complete their application.

DSP Seminar

A one-day seminar on Digital Signal Processing algorithms, tools, techniques and applications will be held in Rockford, Illinois, on October 29. The seminar is sponsored jointly by several IEEE sections (Rock River Valley, Chicago, Milwaukee and Madison).

For more information, see www.dspseminar.org.

IEEE Computer Society & Section Meeting

Ralph Christ

*Monday, October 19, 7:00 pm
Mayo Medical Sciences Building
(321 3rd Avenue SW, Rochester)*

☛ Pizza & Socializing at 6:30 pm ☚

Ralph Christ is Senior Development Manager of Plans and Architecture for IBM SanFrancisco. He has been involved in managing object development efforts at IBM Rochester since 1990. He has held various management jobs in AS/400 development since 1987, including second-line management of RISC kernel development for the AS/400.

Previously Christ worked on operating system development for System 38 and the AS/400. He has a B.S. in Computer Science from the University of Wisconsin, La Crosse. Recently he published an article, *Java and the IBM San Francisco Project*, in **IBM Systems Journal**.



Become a Senior Member of IEEE

Many members of the Southern Minnesota IEEE section are qualified for senior member status, but have not applied. We are setting up a special meeting to help members complete the process.

It is not very difficult. An application can be obtained by contacting membership development chair Tom Roettger or section chair Ron Jensen (see phone/email listing below). Or download the application form yourself from www.ieee.org/ra/md/srmemforms.htm.

The requirements for senior membership are reasonable: ten years of professional practice, with significant performance shown over five years. "Significant performance" does not necessarily mean that you run the company; it means that you have significant responsibility or achievement. You do not have to have received patents or special awards. The requirements are spelled out better in the application, so get a copy and check it out.

In addition to the required experience, you need recommendations from three senior members. If you don't know three senior members, don't despair. We will arrange to have senior members sit down with you to learn about your experience. We suggest you write up a short resume, describing your five years of significant performance. It will probably take you only a half hour to fill out the application and another half hour or so to create or update a resume to guide the discussion.

Finally, get in touch with Tom Roettger or Ron Jensen so we can schedule a time to complete the process.

A modest investment of your time will get you the recognition that you deserve. Senior member status may be useful in your present job or in future positions -- or just for self-satisfaction. By the way, there are no negatives to being a senior member. Membership dues are the same. So give us a call or send an email right now!

**The Institute of Electrical
and Electronics Engineers, Inc.
Southern Minnesota Section**

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