RapidNetPro 1.1
TOOL-CHAIN FOR RAPID PROTOTYPING OF DISTRIBUTED EMBEDDED SYSTEMS

Abstract
In this talk we will demonstrate Pathway’s RapidNetPro 1.1 system. RapidNetPro 1.1 is a cost-effective, high-performance, flexible environment for prototyping of distributed embedded systems which have become ubiquitous in the automotive, aerospace, and process industries. RapidNetPro 1.1 allows you to automate the distribution of your model from one Simulink® diagram to multiple real-time targets without having to write any code. RapidNetPro 1.1 sets up the communication between the target, gives you full control of parameters and allows you to monitor signals from all components of your distributed model from a single user interface.

Pathway has a wide range of software tools and standard hardware components from PC-based real-time target systems to Powerpc based Electronic Control Units (ECUs) for the control engineer to choose from and design his own prototyping environment according to his specific needs. The RapidNetPro 1.1 development environment can also be use for Hardware-in-the-loop applications.

Development System
- Matlab/Simulink®
- RapidNetPro 1.1

Key Features
- Automatically distribute a Simulink® model to multiple real-time targets
- Integrates Simulink® block and parameter information with monitoring interface
- Provides a single interface to monitor and calibrate the distributed system without additional set up
- Data logging for all targets through the monitoring interface
- Prepare custom layouts for data monitoring