Applied AI News

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The **Philadelphia Stock Exchange** (Philadelphia, Pa.) has adopted an intelligent system–based solution to increase the reliability and scalability of network-supported options-trading business activities. An intelligent publish-subscribe solution routes messages over networks of mixed topology.

Greeting card manufacturer **American Greetings** (Cleveland, Ohio) has installed a rule-based expert system to manage the complexity of producing more than 20,000 new designs and 2.4 billion greeting cards annually. The company has completely reengineered its operation, converting an antiquated job-shop operation into a state-of-the-art cellular one.

Unisys Corp.'s Information Services Group (Blue Bell, Pa.) has been awarded a $6.2 million contract from the Florida Association of Court Clerks and Comptrollers to implement the traffic citation accounting and transmission system (TCATS) across Florida's 67 counties. The system will use pattern-recognition technology that will enable the State of Florida to process faster and more efficiently the 3 million traffic citations its law-enforcement agencies dispense annually.

Automaker **Chrysler** (Highland Park, Mich.) has implemented an intelligent centralized vehicle scheduler (CVS) at 15 final assembly plants to optimally sequence vehicles through the painting stages of production. The CVS minimizes the number of times paint colors are changed in the sequence of producing customer orders.

Kaire International (Longmont, Colo.), a multilevel marketer of skincare products, has developed a rule-based multinational order-entry and sales application. The company is using the system to process orders from its network of more than 200,000 independent distributors.

The **U.S. Postal Service** (Washington, D.C.) is using a multiline optical character recognition (MLOCR) system that is capable of processing 12 letters a second. The system uses an electronic camera to image the front face of letters, identify the destination address, and determine its delivery-point bar code.

Telecommunications providers **MCI** (Washington, D.C.) and **BT** (London, U.K.) have jointly developed SHERIFF

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(statistical heuristic engine to reliably and intelligently fight fraud). This network security application will be used to improve efforts to detect and eliminate international toll fraud.

United Airlines (Chicago, Ill.) has deployed an employee reservation system based on speech-recognition technology. The automated voice-response system understands spoken words and phrases and engages callers in natural dialogues. It will be used by United employees to book their own travel without having to speak with a reservation agent.

Busey Bank (Champaign, Ill.) is using intelligent-agent technology to launch its BUSEY E-BANK, a virtual bank on the internet. The E-BANK combines secure web technology with various personalized customer services for online banking customers.

Lloyds Bowmaker Motor Finance (Petersfield, U.K.) has implemented a neural network–based system for credit scoring new loan applications. The system helps Lloyds determine whether to accept a loan and gives the reasons for its choice.

NASA's Jet Propulsion Laboratory (Pasadena, Calif.) is using virtual reality software to enable its scientists to collaborate in real time over a virtual reality network with colleagues at other facilities. The software will permit team members in different geographic locations to explore similar multisensory environments both independently and simultaneously.

Healthcare software developer **HBO & Company** (Atlanta, Ga.) is developing a knowledge-based consultative selling system. HBO & Co. will use the system to determine optimal healthcare information system solutions for its customers.

Engineering Animation (Ames, Iowa), a developer of three-dimensional virtual reality software, has produced a virtual tour of the human body for the Defense Advanced Research Projects Agency. The tour demonstrates new biological-defense strategies that, if successful, could protect the human body in the event of a bioweapons attack.

A European consortium of suppliers and major users has announced a collaborative project to develop a standard and publicly available process model for data mining. The **Cross-Industry Standard Process for Data Mining (**CRISP-DM) **Project** will define and validate a data-mining process that is generally applicable in diverse industry sectors.