

Comunicaciones Industriales Alfaomega

Fundamentals of industrial communications in automation Comunicaciones industriales Monitoreo, control y adquisición de datos con arduino y visual basic.net Boletín bibliográfico mexicano Teoría de control para informáticos Introducción a la ingeniería Introducción a la Ingeniería Industrial Comunicaciones y Redes Comunicaciones industriales Industria 4.0 La cuarta revolución industrial Comunicaciones industriales en bus can Computación en la nube Boletín de la Biblioteca Municipal de Guayaquil Libros en venta en Hispanoamérica y España Who Owns Whom Por esto! Línea Comunicaciones industriales Memoria Reunión Nacional de Industrialización Informe de labores del ... Jorge, Gómez Rojas Vicente Guerrero Rubén Oliva Ramos Rubén J. Fusario David Moisés Terán José Domingo González Antonio Castro SEAS, Estudios Superiores Abiertos Luis Joyanes Aguilar Alberto Fernández Redondo Luis Joyanes Alexander Espinosa Mexico. Secretaría de Comunicaciones y Transportes

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this book presents an integration between communication systems and its application to industrial systems thus it contributes to academic training in an up to date and widely used environment in the industry

la presente obra constituye una excelente oportunidad para aprender a manejar la

plataforma arduino y la programación visual basic net expone cada una de las funciones de la plataforma y la programación mencionadas utilizando proyectos explicados detalladamente como el uso de los módulos de comunicación xbee para realizar una alarma inalámbrica integrando las tecnologías de arduino y visual basic net buscando conectar un sensor de movimiento pir y efectuar la conexión de los módulos de comunicación con el software de la interfaz el control de dispositivos desde la interfaz para enlazar un módulo de relevador al arduino que se podrá controlar desde la interfaz hmi la conexión de un motor de corriente directa al arduino a través de un puente h para controlar el giro y la velocidad y con ello realizar la interfaz requerida para el control del dispositivo la realización de una alarma a través de una comunicación inalámbrica la aplicación de un sistema scada utilizando la tecnología net y la plataforma de arduino entre otros

el presente libro pretende ser una versión simplificada de los fundamentos de la teoría de control destinada a la enseñanza de la misma en la carrera de ingeniería en sistemas de información desarrolla los conceptos básicos de la disciplina a efectos de que el lector que recién se inicia en dicha teoría conozca los mismos y pueda abordar sin dificultad otras obras que tratan el tema en profundidad con el objetivo de diseñar e implementar sistemas de control continuos y discretos de avanzada

el siguiente libro es un breviario ideal para aquellas personas no especializadas en el tema que deseen ampliar sus conocimientos generales representa una oportunidad para los estudiantes universitarios que se enfrentan al primer año escolar o los que están a punto de serlo de modo que aprenderán y harán suyo el universo que encierra la ingeniería

para conocer el fundamento y la estructura de la ingeniería industrial así como el tipo de problemas concretos que en la actualidad tiene que resolver un ingeniero industrial en este texto se expone el origen y la evolución de la ingeniería industrial en particular se destaca la interdependencia entre ésta y los problemas de producción en la industria que la hicieron surgir y que la han moldeado a lo largo de toda su historia partiendo de la clasificación global de la industria en oriental y occidental se expone el punto de vista occidental que divide la historia y evolución de la ingeniería industrial en cinco etapas básicas orígenes e ingenierías precursoras ingeniería industrial convencional asociada a los estudios de movimientos y tiempos ingeniería industrial apoyada en modelos de investigación de operaciones ingeniería industrial apoyada en sistemas ingeniería industrial apoyada en las teorías de sistemas decisiones comunicación e información

comunicaciones y redes es una obra que está basada en el trabajo realizado anteriormente por los mismos autores en el año 2013 y publicado por alfaomega grupo editor denominado comunicaciones una introducción a las redes digitales de datos y señales isócronas en esta nueva obra se han agregado dos nuevos capítulos para incorporar temas específicos de las redes digitales de transmisión de datos y señales isócronas el capítulo 9 dedicado a las redes de Área local lan y el capítulo 10 donde se desarrollan los protocolos de las capas de red y de transporte dentro de la estructura de los protocolos de internet especialmente la familia tcp ip además se procedió a actualizar el capítulo 1 y se procedió a una revisión total del texto de la obra anterior

el término industria 4.0 se acuñó en alemania en el año 2011 en la feria tecnológica de hannover messe si bien fue en la edición de dicha feria en 2013 cuando se presentó la iniciativa oficial del gobierno de alemania el documento fundacional de industria 4.0 y de la plataforma asociada platform industrie 4.0 denominado recommendations for implementing the strategic initiative industrie 4.0 fue redactado por acatech academia nacional de ciencia e ingeniería de alemania y presentado en abril de 2013 contó con la colaboración del dfki centro de investigación alemán para la inteligencia artificial así como el apoyo de la industria y grandes empresas alemanas industria 4.0 describe la digitalización de sistemas y procesos industriales y su interconexión mediante la internet de las cosas e internet de los servicios para conseguir una mayor flexibilidad e individualización de los procesos productivos es una visión de la fábrica del futuro o fábrica inteligente la transformación digital de la industria y las empresas con la integración de las nuevas tecnologías disruptivas el citado internet de las cosas big data la nube cloud computing y la ciberseguridad todo ello enmarcado en las ciudades inteligentes smart cities está produciendo el advenimiento y despliegue de la cuarta revolución industrial

las ventajas de la nube para organizaciones y empresas como un método de ahorro de costos y aumento de la productividad a la vez que potencia el rendimiento y desempeño de las herramientas y personas de las organizaciones la gran cantidad de datos prácticos y de actualidad así como la exposición de los proveedores y soluciones más populares tales como google amazon salesforce ibm dell o microsoft lo que debe hacer su organización en la nube como migrar a ella y como afrontar este nuevo paradigma tecnológico de gran impacto social en los próximos años

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