

カリキュラムシート

分類番号

A703-I03-3

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| 訓練分野 | 電気・電子系 | 訓練コース | 無線通信を利用した計測管理技術 | |
| 訓練対象者 | 製造業においてシステム設計・開発に従事する技能・技術者等であって、指導的・中核的な役割を担う者又はその候補者 | | | |
| 訓練目標 | 生産現場における生産情報や測定データ収集等の省力化による作業効率の向上をめざして、無線監視制御システムの導入と制御プログラムの開発について実習を通して習得する。 | | | |
| 教科の細目 | 内 容 | | 訓練時間 | うち実習・まとめ |
| | | | (H) | (H) |
| 1. 概要 | (1) 無線通信について | | 4.0 | 2.0 |
| | イ. Z i g b e eについて | | | |
| | ロ. Z i g b e eのネットワーク構成 | | | |
| | ハ. Z i g b e e搭載センサ(温度、湿度等)について | | | |
| | ニ. Z i g b e eの利用方法について | | | |
| | ホ. その他無線通信技術について | | | |
| 2. データ管理 | (1) プログラムによるセンサデータ管理 | | 3.0 | 2.0 |
| | イ. 表計算ソフトによるデータ管理 | | | |
| | ロ. DBソフトによるデータ管理 | | | |
| | ニ. 動作確認 | | | |
| 3. 総合課題 | (1) 無線計測器を利用したシステム構築 | | 4.0 | 4.0 |
| | イ. システム構成 | | | |
| | ロ. 無線計測器のポイント | | | |
| | ハ. 無線計測器データの収集方法 | | | |
| | ニ. システムの動作確認 | | | |
| 4. 確認・評価 | (1) 講評および確認・評価 | | 1.0 | 1.0 |
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