学位論文

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論文題目：身体支援ロボット工学の基盤となるシナジー解析と関節トルク積算エネルギーの相補的活用による運動軌道解析法に関する研究

Analytical Method for Synergy Based Motion Control Supported by Joint Energy and Coordination Measure Toward Rehabilitation and Robotics

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著書

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（担当箇所：第 4 章 Emotion Model for a Robot（単著）, 86-97 頁） **被引用数（1）**

（担当箇所：第 5 章 Learner attitudes towards humanoid robot tutoring systems: Measuring of cognitive and social motivation influences（共著）, 62-85 頁） **被引用数（14）**

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[2] 著者名 :Tripathi, Gyanendra Nath（単著）, V. Rihani（監修, 編集者）

＊著書名 :Mobile Robot Motion Planning: A Neural Network Approach, 全84頁

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掲載誌名：19th International Conference on Mechatronics Technology,(6 頁) 2015 , Tokyo

[17] 発表者名：Tripathi, Gyanendra Nath
論文題目：Mind and Body: Motion Behaviour Planning, Learning and Control in view of Rehabilitation and Robotics
掲載誌名：INCF 日本ノード国際ワークショップ Advances in Neuroinformatics 2 (2014)

[18] 発表者名：Tripathi, Gyanendra Nath
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[19] 発表者名：Tripathi, Gyanendra Nath
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[20] 発表者名：Tripathi, Gyanendra Nath
論文題目：Motion planning of an autonomous mobile robot using artificial neural network
掲載誌名：Computer Science & Information Technology (CS & IT), Conference 2012

教育履歴

博士前期期間中（2009年～2010年）にTAとして教育の経験が始まりました、組み込みシステム実習として研究室のマネジメント「基盤テストと設定、実習のためSW開発プラン、学生サポート」を行いました。

博士前期終了後助教の仕事でPractical Based Learningとして、「マイクロプロセッサ、信号処理論、デジタル電子回路、制御システム、電気基礎」の講義で教えた理論を実習で確認して理解を高めることについて講義と合わせながら実習も行いました。「電子電気工学、組み込み回路設計・プログラム、制御工学、信号処理論、AI」様々の理論の理解や実習の経験を活かしてロボットを作りながらProject Based Learningと研究マネジメントを教える観点で、学部や博士前期のプロジェクトや論文