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著者	東北大学史料館
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東北大学定年退職教員業績目録第 2014－27 号

中島　　康治　教授　業績目録

平成 27 年 3 月
東北大学史料館

知的ナノ集積システム研究室

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1978年―1988年　東北大学電気通信研究所　助手
1988年―1995年　東北大学電気通信研究所　助教授
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電子情報通信学会, 応用物理学会, 電気学会, 日本神経回路学会

専門分野

電子デバイス · 電子機器

研究課題

- 超伝導位相モードデータプロセッサの集積化に関する研究
- 脳型計算機のための集積回路の試作研究
- 量子コンピュータ実現に関する基礎的研究

研究キーワード

ニューラルネットワーク, 脳型計算機, 集積回路, 量子コンピュータ, 超伝導, 磁束量子

学内活動

AMDP プログラム委員	1993年4月 ― 1994年3月
SCR 専門 · 運営委員	1993年4月 ― 1994年3月
AMDP 実行委員	1993年4月 ― 1995年3月
ヘリウムサブ運営委員	1993年4月 ― 2007年3月
出題委員	1994年4月 ― 1995年3月
編集委員（同窓会）	1994年4月 ― 1995年3月
施設整備委員	1995年4月 ― 1996年3月
入試委員（電気系）	1995年4月 ― 1996年3月
出題委員	1996年4月 ― 1997年3月
SCR 落成式委員	1996年4月 ― 1998年3月
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SCR 拡大実行委員	1997年4月 ― 1998年3月
選挙管理委員	1997年4月 ― 1998年3月
入試委員（電気系）	1997年4月 ― 2002年3月
部門委員	1997年4月 ― 2003年3月
SCR 実行委員	1997年4月 ― 2006年3月
通部局史編纂委員	1997年4月 ― 2007年3月
共同プロジェクト利用委員	1997年4月 ― 2013年3月
出題委員	1998年4月 ― 2000年3月
学生協	1998年4月 ― 2000年3月
学寮専門委員	1998年4月 ― 2000年3月
教務委員	1998年4月 ― 2000年3月
選考委員	1998年4月 ― 2001年3月
施設整備委員	1999年4月 ― 2000年3月
総務委員	1999年4月 ― 2000年3月
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学務委員	1999年4月 ― 2000年3月
ガイダンス委員	1999年4月 ― 2001年3月

通部局史編纂委員 WG	1999年4月 — 2003年3月
百年史編集委員（通史専門委員）	1999年4月 — 2009年3月
総務委員委員長	2000年4月 — 2001年3月
片平祭り実行委員	2000年4月 — 2001年3月
広報連絡員代理	2000年4月 — 2001年3月
通運営協議委員	2000年4月 — 2002年3月
将来改革委員	2000年4月 — 2003年3月
学術資源研究公開センター運営専門委員会（資料館運営委員会）	2000年4月 — 2008年3月
総務委員	2001年4月 — 2002年3月
運営連絡委員	2001年4月 — 2002年3月
同窓会会計幹事	2001年4月 — 2003年3月
施設整備委員	2001年4月 — 2004年3月
談話会記録編集委員	2001年4月 — 2004年3月
学術委員	2001年4月 — 2005年3月
広報連絡員	2002年4月 — 2013年3月
施設整備委員（共通施設専門委員会委員）	2003年4月 — 2004年3月
将来改革委員委員長	2003年4月 — 2004年3月
工学研究会運営検討委員	2003年4月 — 2004年3月
ナノ・スピン実験施設準備委員	2003年4月 — 2004年3月
通部局史編纂委員 WG 委員長	2003年4月 — 2007年3月
出題委員	2004年4月 — 2005年3月
知財委員	2004年4月 — 2005年3月
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研究企画委員	2004年4月 — 2006年3月
消防委員	2004年4月 — 2006年3月
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通運協議営委員	2005年4月 — 2006年3月
教務委員	2005年4月 — 2007年3月
移転対応プロジェクト委員	2005年4月 — 2007年3月
電気系学部教務委員会	2005年4月 — 2007年3月
選考委員	2006年4月 — 2007年3月
予算委員	2006年4月 — 2007年3月
共同プロジェクト実施委員委員長	2006年4月 — 2007年3月
財団法人電気通信工学振興会奨学生選考委員	2006年4月 — 2009年3月
予算委員委員長	2007年4月 — 2008年3月
共同プロジェクト実施委員	2007年4月 — 2008年3月
財団法人電気通信工学振興会理事	2007年4月 — 2008年3月
通研人事委員会（九人委員会）	2007年4月 — 2008年3月
入試委員会	2007年4月 — 2009年3月
受賞委員会	2007年4月 — 2015年3月

学術受賞

電子情報通信学会論文賞 [電子情報通信学会]	2000年
電子情報通信学会フェロー [電子情報通信学会]	2007年
東北総合通信局長表彰 [総務省東北総合通信局]	2014年

特許

(登録済)

特許 1669352 号ジョセフソン・トンネル電流位相遷移要素
1992 年 3 月 2 日出願（特願昭 56-029626）　1992 年 6 月 12 日登録（1669352）

パリティ回路
1998 年 9 月 11 日出願（特願平 10-257701）　2000 年 3 月 31 日公開（特開 2000-091925）　1999 年 10 月 15 日登録（2990269）

CMOS 多数決回路
2000 年 8 月 14 日出願（第 09/637,2415）　2001 年 11 月 20 日登録（6,320,409　B1）

銅酸化物高温超伝導体固有ジョセフソン接合を用いた量子ビット
2005 年 9 月 16 日出願（特願２００５—２７００３１）　2013 年 4 月 5 日登録（特許第５２３３０３９号）

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中島康治　その他

3) 光コンピュータ（執筆担当部分）141 頁 ～ 159 頁. [オーム社, (1985)]

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中島康治

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NAKAJIMA Koji

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NAKAJIMA Koji

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