

業績目録（早瀬敏幸）

著者	東北大学史料館
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早瀬 敏幸 教授 業績目録

令和 3 年 3 月
東北大学史料館

融合計算医工学研究分野

早瀬 敏幸

HAYASE Toshiyuki

教授

流体科学研究所 流動創成研究部門 融合計算医工学研究分野

出身学校

名古屋大学・工学部・機械学科および機械工学第2学科

1978年 卒業

出身大学院

名古屋大学・工学研究科・機械工学 修士課程

1980年 修了

略歴

1980年—1990年 名古屋大学 工学部 助手

1990年—2000年 東北大学 流体科学研究所 助教授

2000年—2021年 東北大学 流体科学研究所 教授

2018年—現在 東北大学 学際科学フロンティア研究所 所長

専門分野

生体工学, 流体情報学, 流動場の制御

学術受賞

(財)油空圧機器技術振興財団学術論文賞

1999年

[(財)油空圧機器技術振興財団]

日本機械学会論文賞

2007年

[日本機械学会]

第12回計算工学講演会グラフィックスアワード優秀賞

2007年

[日本計算工学会]

日本機械学会流体工学部門フロンティア表彰

2007年

[日本機械学会流体工学部門]

第22回数値流体力学シンポジウムベストCFDグラフィックス・アワード最優秀賞

2008年

[流体力学学会]

第41回流体力学講演会/航空宇宙数値シミュレーション技術シンポジウム2009 最優秀賞 流体力学部門

2009年

[航空宇宙学会]

日本機械学会バイオエンジニアリング部門第22回業績賞

2014年

[日本機械学会バイオエンジニアリング部門]

2015 JBSE Graphics of the year award

2016年

[Journal of Biomechanical Science and Engineering]

平成28年度科学技術分野の文部科学大臣表彰(科学技術賞 研究部門)

2016年

[文部科学省]

一般社団法人画像電子学会 最優秀論文賞

2016年

[一般社団法人 画像電子学会]

一般財団法人 機器研究会 流体科学研究賞

2016年

[一般財団法人 機器研究会]

著書

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池尾 茂, 上達政夫, ほか

- 2) 機械工学便覧 基礎編 流体工学(執筆担当部分)第17章 生体内の流れ 180頁~190頁. [日本機械学会, (2006)1月]

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- 3) フルードインフォマティクス(執筆担当部分)1章, 2章. [技報堂出版, (2010)4月]

研究論文

- 1) 管内旋回流における渦流崩壊現象に関する一考察 (第3報, 崩壊形態に関する理論結果と実験との比較). [日本機械学会論文集, **47** (421), (1981), 1736-1747]
末松良一, 伊藤忠哉, 早瀬敏幸, 堀 藤夫
- 2) 管内旋回流に発生する振動的な流動現象の研究 (第1報, サイクロン状流路における渦心の振れ回り現象の実験). [日本機械学会論文集, **48** (436), (1982), 2472-2483]
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- 35) 情報機器用ポリゴンミラーの負荷トルクに関する基礎的研究 (第 1 報, 3 次元非定常数値解析). [日本機械学会論文集 (C 編), **60** (576), (1994), 2679-2683]
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Satoru Hayashi, Toshiyuki Hayase and Hiroshi Kawamura
- 40) Numerical Analysis of Transient Flow through a Pipe Orifice Starting from Initial Steady flow. [Proceedings of 3rd JSME-KSME Fluids Engineering Conference, (1994), 277-282]
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Satoru Hayashi, Tetsuo Kurahashi and Toshiyuki Hayase
- 42) スプール弁内の非定常流に関する数値解析. [日本機械学会論文集 (B 編), **61** (584), (1995), 1382-1388]
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- 45) 正方形管内乱流の直接数値シミュレーションにおける離散化スキームの比較. [日本機械学会論文集 (B 編), **61** (591), (1995), 3967-3974]

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Toshiyuki Hayase, Ping Cheng and Satoru Hayashi
- 47) Chaos in a Hydraulic Control Valve. [Fluid-Structure Interaction and Structural Mechanics, **PVP** (310), (1995), 109-115]
Satoru Hayashi, Toshiyuki Hayase and Tetsuo Kurahashi
- 48) Fundamental Study on Computer Aided Flow Field Control. [Proceedings of International Symposium on Microsystems, Intelligent Materials and Robots, (1995), 386-389]
Toshiyuki Hayase and Satoru Hayashi
- 49) Self-Excited Vibration Occurring in Pulsation Flow in Collapsible Tube. [Advances in Bioengineering, International Mechanical Engineering Congress & Exposition, ASME, **Vol. BED-31**, (1995), 207-208]
Satoru Hayashi, Toshiyuki Hayase and Akihito Koretsune
- 50) コラプシブルチューブ内流れの安定性と自励振動に関する数値解析. [日本機械学会論文集 (B 編), **62** (594), (1996), 556-563]
早瀬 敏幸, 他
- 51) 計算機を援用した流動場の制御に関する基礎的研究 (流動場に対するオブザーバの構成). [日本機械学会論文集 (B 編), **62** (598), (1996)]
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- 52) 油圧および水圧制御技術の現状. [計測と制御, **35** (2), (1996), 106-110]
早瀬 敏幸
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- 54) Chaotic Vibration in Direct Acting Poppet Valve. [19th International Congress of Theoretical and Applied Mechanics, Abstracts, (1996), 113]
HAYASE Toshiyuki, et al.
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- 56) 進展する油圧・水圧制御-その現状と新潮流. [M&E, **23** (10), (1996), 198-205]
早瀬 敏幸
- 57) Numerical Analysis for Stability of Balanced Piston Type Relief Valve. [Proceedings of 3rd JHPS International Symposium on Fluid Power, Yokohama, (1996), 531-536]
HAYASE Toshiyuki, et al.
- 58) Micro Sticks-Slip Vibration in Hydraulic Servo Systems. [Proceedings of 3rd JHPS International Symposium on Fluid Power, Yokohama, (1996), 555-560]
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- 59) 油圧サーボ系に発生するマイクロスティックスリップ振動. [日本機械学会論文集 (C 編), **63** (606), (1997), 444-450]
早瀬 敏幸, 他
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早瀬 敏幸, 他
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- 63) Study on Stability of Semi-Active Damper. [Proceedings of The Fifth International Symposium on Fluid Control, Measurement and Visualization, FLUCOME'97, **2**, (1997), 651-656]
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