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Aanstellingen

Promovendus

Promovendus
Dynamics and Control
Technische Universiteit Eindhoven
Eindhoven, Nederland
1 okt 2016 → 21 jul 2020

Promovendus

Promovendus
Dynamics and Control
Technische Universiteit Eindhoven
Eindhoven, Nederland
1 okt 2017 → 5 mrt 2019

Promovendus

Promovendus
Dynamics and Control
Technische Universiteit Eindhoven
Eindhoven, Nederland
1 okt 2017 → 9 nov 2020

Onderzoeker

Onderzoeker
Dynamics and Control
Technische Universiteit Eindhoven
Eindhoven, Nederland
10 nov 2020 → 17 nov 2020

Onderzoeker

Onderzoeker
Dynamics and Control
Technische Universiteit Eindhoven
Eindhoven, Nederland
10 nov 2020 → 22 jan 2021

Onderzoeker

Onderzoeker
Group Van de Wouw
Technische Universiteit Eindhoven
10 nov 2020 → 13 apr 2021

Onderzoeker

Onderzoeker
Dynamics and Control
Technische Universiteit Eindhoven
Eindhoven, Nederland
10 nov 2020 → 14 nov 2021

Onderzoeker

Onderzoeker

Group Van de Wouw

Technische Universiteit Eindhoven

14 apr 2021 → 14 nov 2021

Onderzoeksoutput

An Approximate Well-Balanced Upgrade of Godunov-Type Schemes for the Isothermal Euler Equations and the Drift Flux Model with Laminar Friction and Gravitation

Abbasi, M. H., Naderilordejani, S., Berg, C., Iapichino, L., Schilders, W. H. A. & van de Wouw, N., apr 2021, In: *International Journal for Numerical Methods in Fluids*. 93, 4, blz. 1110-1142 33 blz.

Reduced basis method for managed pressure drilling based on a model with local nonlinearities

Abbasi, M. H., Iapichino, L., Naderilordejani, S., Schilders, W. H. A. & van de Wouw, N., 15 dec 2020, In: *International Journal for Numerical Methods in Engineering*. 121, 23, blz. 5178-5199 22 blz.

Modeling and numerical implementation of managed pressure drilling systems for the assessment of pressure control systems

Naderilordejani, S., Abbasi, M. H., Velmurugan, N., Berg, C., Stakvik, J. A., Besselink, B., Iapichino, L., Di Meglio, F., Schilders, W. H. A. & van de Wouw, N., dec 2020, In: *SPE Drilling & Completion*. 35, 4, blz. 598-619 22 blz., SPE-201108-PA.

Model reduction for infinite-dimensional systems: with application to managed pressure drilling

Naderilordejani, S., 20 nov 2020, Eindhoven: Technische Universiteit Eindhoven. 225 blz.

Control-oriented model reduction for a class of hyperbolic systems with application to managed pressure drilling

Leenen, T. C. P. F., Naderilordejani, S., Besselink, B., Schilders, W. H. A. & van de Wouw, N., jul 2020, (Geaccepteerd/In druk) *21th IFAC world congress*. 6 blz.

Model order reduction for linear time delay systems: a delay-dependent approach based on energy functionals

Naderilordejani, S., Besselink, B., Chaillet, A. & van de Wouw, N., feb 2020, In: *Automatica*. 112, 10 blz., 108701.

Control-oriented modelling for managed pressure drilling automation using model order reduction

Naderilordejani, S., Besselink, B., Abbasi, M. H., Kaasa, G. O., Schilders, W. H. A. & van de Wouw, N., 2020, (Geaccepteerd/In druk) In: *IEEE Transactions on Control Systems Technology*. XX, XX

An extended model order reduction technique for linear delay systems

Naderilordejani, S., Besselink, B. & van de Wouw, N., dec 2019, *58th IEEE Conference on Decision and Control (CDC 2019)*. Institute of Electrical and Electronics Engineers, blz. 7782-7787 6 blz. 9029350

A Godunov-type scheme for the drift flux model with variable cross section

Abbasi, M., Naderilordejani, S., Velmurugan, N., Berg, C., Iapichino, L., Schilders, W. & van de Wouw, N., 1 aug 2019, In: *Journal of Petroleum Science and Engineering*. 179, blz. 796-813 18 blz.

Reduced basis method for hyperbolic systems with nonlinear boundary conditions

Abbasi, M. H., Iapichino, L., Naderilordejani, S., Schilders, W. H. A. & van de Wouw, N., jun 2018, blz. 1-1. 1 blz.

Model order reduction for managed pressure drilling systems based on a model with local nonlinearities

Naderilordejani, S., Besselink, B., Abbasi, M. H., Kaasa, G. O., Schilders, W. H. A. & van de Wouw, N., 1 jan 2018, In: *IFAC-PapersOnLine*. 51, 8, blz. 50-55 6 blz.

Control-oriented modeling and model order reduction for managed pressure drilling systems

Naderilordejani, S., Besselink, B., Abbasi, M. H., Kaasa, G. O., Schilders, W. H. A. & van de Wouw, N., 2018, *4th International Colloquium on Non-linear dynamics and control of deep drilling systems*. Aarsnes, U. J. F., Detournay, E., van de Wouw, N. & Denoël, V. (redacties). San Francisco: IRIS, blz. 109-120

Nonlinear model order reduction for MPD Systems

Naderilordejani, S., Besselink, B., Schilders, W. H. A. & van de Wouw, N., 2018.

Automatic model order reduction for Hydraulics modeling

Abbasi, M. H., Bansal, H., Naderilordejani, S., Velmurugan, N., Iapichino, L., de Megliu, F., Schilders, W. H. A. & van de Wouw, N., 2017. 1 blz.