Research outputs:

**Staff optimization for time-dependent acute patient flow**
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

**Application of data clustering to railway delay pattern recognition**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**Assessing spatial correlations of sea surges around Copenhagen**
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2018 › Research › peer-review

**Behavior of passenger train delays and estimation of network effects**
Research output: Non-textual form › Sound/Visual production (digital) – Annual report year: 2019 › Research

**Dimensioning a Product Development Project Portfolio Using a Closed Queueing Network**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2019 › Research › peer-review

**Distribution Fitting for Very Large Railway Delay Data Sets with Discrete Values**
Research output: Contribution to conference › Paper – Annual report year: 2018 › Research › peer-review

**Multi-Parameterised Matchmaking: A Framework**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

**Parisian types of ruin probabilities for a class of dependent risk-reserve processes**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**Passenger arrival and waiting time distributions dependent on train service frequency and station characteristics: A smart card data analysis**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**Probabilistic approach for assessing cancer risk due to benzo[a]pyrene in barbecued meat: Informing advice for population groups**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review
A probabilistic approach to urban flooding from sea surges in Copenhagen
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

A Simulation-based Markov Decision Process for the Scheduling of Operating Theatres
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Matrix-Exponential Distributions in Applied Probability
Research output: Book/Report › Book – Annual report year: 2017 › Research › peer-review

Modelling Dietary Exposure to Chemical Components in Heat-Processed Meats
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Optimization of hospital ward resources with patient relocation using Markov chain modeling
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Causal Analysis of Railway Running Delays
Research output: Contribution to conference › Paper – Annual report year: 2016 › Research › peer-review

On the use of functional calculus for phase-type and related distributions
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Probabilistic modelling of sea surges in coastal urban areas
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2016 › Research › peer-review

Calculation of ruin probabilities for a dense class of heavy tailed distributions
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Optimization of Overflow Policies in Call Centers
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Maximizing entropy over Markov processes
Research output: Contribution to journal › Conference article – Annual report year: 2014 › Research › peer-review

Obituary: Marcel F. Neuts 1935-2014
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Communication

On the use of functional calculus for phase-type and related distributions
Research output: Book/Report › Report – Annual report year: 2014 › Research

Estimating passenger numbers in trains using existing weighing capabilities
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Matrix Analytic Methods in Applied Probability with a View towards Engineering Applications
Research output: Book/Report › Doctoral thesis – Annual report year: 2013 › Research

Maximizing Entropy over Markov Processes
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review
Analysis of Queues with Rational Arrival Process Components - A General Approach
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2012 › Research › peer-review

An overview of multivariate gamma distributions as seen from a (multivariate) matrix exponential perspective
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2012 › Research › peer-review

Bilateral matrix-exponential distributions
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2012 › Research › peer-review

First in Line Waiting Times as a Tool for Analysing Queueing Systems
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

LBTool: A stochastic toolkit for leave-based key updates
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Moment distributions of phase-type
Research output: Contribution to journal › Conference abstract in journal – Annual report year: 2012 › Research › peer-review

On the representation of distributions with rational moment generating functions
Research output: Book/Report › Report – Annual report year: 2012 › Research

Analysis of Queues with Rational Arrival Process Components - A General Approach
Research output: Book/Report › Report – Annual report year: 2011 › Research

A Probabilistic Model of the LMAC Protocol for Concurrent Wireless Sensor Networks
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

A Stochastic Broadcast Pi-Calculus
Research output: Contribution to journal › Conference article – Annual report year: 2011 › Research › peer-review

Fisher information and statistical inference for phase-type distributions
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Moment Distributions of Phase Type
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Queues with waiting time dependent service
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Effective population management practices in diabetes care - an observational study
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Model Checking Multivariate State Rewards
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research › peer-review
A Computational Framework for a Quasi Birth and Death Process with a Continuous Phase Variable.
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research › peer-review

An application of superpositions of two-state Markovian sources to the modelling of self-similar behaviour
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research › peer-review

On the use of second order descriptors to characterize MAPs
Research output: Book/Report › Report – Annual report year: 1997 › Research › peer-review

On the use of second order descriptors to characterize MAP
Research output: Book/Report › Report – Annual report year: 1997 › Research › peer-review

An application of superpositions of two-state Markovian sources to the modelling of self-similar behaviour.
Research output: Book/Report › Report – Annual report year: 1996 › Research › peer-review

Discrete-Time Analysis of a Finite Queue with Rework
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1996 › Research › peer-review

Predator foraging in patchy environments: the interrupted poisson process (IPP) model unit
Research output: Contribution to journal › Journal article – Annual report year: 1996 › Research › peer-review

Superposition and Effective Bandwidth of Renewal Streams
Research output: Book/Report › Report – Annual report year: 1996 › Research › peer-review

Transferability between Hospitals of Hypercalcaemia Discriminant Functions
Research output: Contribution to journal › Journal article – Annual report year: 1991 › Research › peer-review

Transfer of hypercalcaemia discriminant functions between
Research output: Contribution to journal › Journal article – Annual report year: 1996 › Research › peer-review

Within centre evaluation of hypercalcaemia discriminant
Research output: Contribution to journal › Journal article – Annual report year: 1996 › Research › peer-review

An experimental study of queueing performance of MAPs with apparently self-similar behaviour
Research output: Book/Report › Report – Annual report year: 1995 › Research › peer-review

Intercept and Asymptotic Behaviour of the nGI/G/1
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1995 › Research › peer-review

Modelling and performance study of packet-traffic with self-similar characteristics over several timescales with Markovian Arrival Processes MAP
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1995 › Research › peer-review

Modelling of apparently self-similar packet arrival processes with Markovian Arrival Processes MAP
Research output: Book/Report › Report – Annual report year: 1995 › Research › peer-review
Statistisk undersøgelse af arbejdsbelastningen på en fødegang
Research output: Contribution to journal › Journal article – Annual report year: 1995 › Research

Analysis of the Telecommunication Demands in a Large, Geographically Dispersed Company
Research output: Book/Report › Report – Annual report year: 1994 › Research › peer-review

Do local hospitals meet the analytical goals for the use of common reference intervals
Research output: Contribution to journal › Journal article – Annual report year: 1994 › Research › peer-review

Modelling a Buffer System as an M/PH/1/N
Research output: Book/Report › Report – Annual report year: 1994 › Research › peer-review

Statistisk analyse af arbejdsbelastning på en fødegang
Research output: Book/Report › Report – Annual report year: 1994 › Research › peer-review

Using Program Package NSPCG to Analyze the Trunk Reservation Service Protection Method
Research output: Contribution to journal › Journal article – Annual report year: 1994 › Research › peer-review

Analysis of the Telecommunication Demands in a Large Geographically Dispersed Company
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1993 › Research › peer-review

A transient queueing study of delay during changeover in the Message Transfer Part MTP
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1993 › Research › peer-review

Evaluation of a method for online control of the metering system in the analogue telephone network
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1993 › Research › peer-review

Filtering clinically significant hypercalcaemia from non-significant hypercalcaemia at the laboratory level
Research output: Contribution to journal › Journal article – Annual report year: 1993 › Research › peer-review

Modelling the End-to-End Message Transfer Distribution in the ATCS Communication System
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1993 › Research › peer-review

A Phase Type Model for the Trunk Reservation Protection Method
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1992 › Research › peer-review

Traffic models of the Message Transfer Part MTP
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1992 › Research › peer-review

A Combined Petri-Net and Markov Chain Analysis of an FMS
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1991 › Research › peer-review

Alternative diagnostic hypercalcaemia discriminant functions varied on incomplete datasets
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1991 › Research › peer-review
The exact evaluation of the \( M/D/1/n \)
Research output: Book/Report › Report – Annual report year: 1988 › Research › peer-review

A Service Protection Model
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1987 › Research › peer-review

Respective roles of PTH and substrate for the \( l \)-hydroxylation of vitamin D in primary hyperparathyroidism PHP
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1987 › Research › peer-review

Comments to a Paper by V. Giorno, C. Negri and A. G. Nobile
Research output: Contribution to journal › Journal article – Annual report year: 1986 › Research › peer-review

Estimation af parameterværdier i Cox-fordelinger til trafikanalyse
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1986 › Research › peer-review

Coxfordelinger egenskaber og anvendelser
Research output: Book/Report › Report – Annual report year: 1985 › Research › peer-review

Some Properties of Coxian Distributions with Applications
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1985 › Research › peer-review

Projects:

Stochastic Financial Models based on Matrix-Analytic Methods
Project: PhD

Stochastic Models for Predictive Maintenance
Project: PhD

Risk assessment woth matrix-analytic methods
Project: PhD

Matrix-exponential methods in finance, risk and queuing theory
Project: PhD

Bayesian Modelling for Multi-Agent control
Project: PhD

Real Time Decision Support in the Face of Evolving Natural Hazards
Project: PhD

Optimal foraging theory applied to simple models of patchy environments
Project: PhD

Evaluering og dimensionering af signalingssystemer for digitale kommunikationssystemer
Project: PhD
Call Center Capacity Planning
Project: PhD

Design of computer experiments
Project: PhD

Applications of and statistical inference for Multivariate Matrix Exponential Distributions
Project: PhD

Performance of Multi-Service Mobile Networks
Project: PhD

Probabilistic Networks: Diagnostic Decision Support Systems
Project: PhD

Estimationsteori for stokastiske differentialligninger
Project: PhD

Identification of Ecological Thresholds of Sustainability in Marine Ecosystems
Project: PhD

Logics and models for stochastic analysis of information systems
Project: PhD

Refinement and application of the method of successive calculations in transport project evaluations
Project: PhD

Methods for analysis and dimensioning of heterogeneous telecommunication networks
Project: PhD

Queueing and Optimization Models for Hospital Patient Flow
Project: PhD

TDM presudy
Project: Research

Hypercalcaemia Discriminant Functions
Project: Research

Research visit at Bell Communications Research
Project: Research

Activities:

Reexam in 02405 Probability Theory
Activity: Examinations and supervision › Internal examination

Risk assessment of benzo[a]pyrene in heat-processed meat in Denmark: A probabilistic approach
Activity: Talks and presentations › Conference presentations
Burden of disease of barbecued meat - who's at risk?
Activity: Talks and presentations › Conference presentations