

Liste des publications

Journaux

Impact of Realistic Simulation on the Evaluation of Mobile Ad Hoc Routing Protocols.

Ledy, J., Hilt, B., Boeglen, H., Poussard, A. M., Drouhin, F., Vauzelle, R., & Lorenz, P.

IEEE Transactions on Emerging Topics in Computing, 2015, pp. 317-334

<https://doi.org/10.1109/TETC.2015.2405478>

Rank Q1

A Belief Function-based Forecasting Link Breakage Indicator for VANETs

Bourebria, S., Laghmara, H., Hilt, B. *et al.* A belief function-based forecasting link breakage indicator for VANETs. *Wireless Netw* **26**, 2433–2448 (2020).

<https://doi.org/10.1007/s11276-019-01973-0>

Conférences internationales avec comité de lecture

An investigation of the bits corruption in the IEEE 802.11p

S. Bindel, D. Tabary, S. Bourebria, F. Drouhin, B. Hilt

Nets4Workshop2020, Nov 2020, Bordeaux (virtuel), France. pp.66-77. [\(hal-03023510\)](#)

No Ranking

Anonymizing Communication in VANets by Applying I2P Mechanisms

T. Diab, M. Gilg, F. Drouhin, P. Lorenz

2019 IEEE Global Communications Conference (GLOBECOM)

DOI: <https://doi.org/10.1109/GLOBECOM38437.2019.9013225>

Rang B/C

A new strategy for the selection of communication technologies in VANETs with fully controllable vehicles

D. Tabary, S. Bindel, F. Drouhin, B. Hilt

International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOPT), Jun 2020, Volos, Greece. [\(hal-03089096\)](#)

Rang C

Risk Level Assessment for Rear-End Collision with Bayesian Network

JN. Russo, T. Spröesser, F. Drouhin, M. Basset

IFAC-PapersOnLine, Volume 50, Issue 1, July 2017, Pages 12514-12519

20th IFAC World Congress

DOI : <https://doi.org/10.1016/j.ifacol.2017.08.2062>

Rank C

Risks Level Assessments for Automotive Application

JN Russo, T Sproesser, F Drouhin, M Basset

IFAC-PapersOnLine, Volume 49, Issue 15, 2016, Pages 163-168

9th IFAC Symposium on Intelligent Autonomous Vehicles IAV 2016: Leipzig, Germany, 29 June—1 July 2016

DOI : <https://doi.org/10.1016/j.ifacol.2016.07.726>

Rank C

Data fusion for a forecasting link state indicator in VANETs

J. Ledy, F. Drouhin, J. Daniel, M. Basset, B. Hilt, H. Gabteni, & P. Lorenz
IEEE Global Communications Conference (GLOBECOM), 2016, pp. 1-6
Rang B

A novel predictive link state indicator for ad-hoc networks

Gabteni, H., Hilt, B., Drouhin, F., Ledy, J., Basset, M., & Lorenz, P.,
IEEE Global Communications Conference, 2014, pp. 149-154
Rank B

Chapitres de livres

Emulating a Realistic VANET Channel in Ns-3

H Boeglen, B Hilt, F Drouhin

Book Chapter, Networking Simulation for Intelligent Transportation Systems: High Mobile Wireless Nodes
Wiley Online Library
<https://doi.org/10.1002/9781119407447.ch6>

Routing and Data Diffusion in Vehicular Ad Hoc Networks

F. Drouhin, S. Bindel

Book Chapter, Building Wireless Sensor Networks,
Elsevier
<https://doi.org/10.1016/B978-1-78548-274-8.50003-9>

Thèse

Conception d'un système d'acquisition de données dans le cadre des tests MF1 et MB1 de l'expérience CMS au CERN

F. Drouhin, soutenue le 4 décembre 1998, N° d'ordre : 98MULH0543

Articles et journaux en lien avec mes activités en physique des hautes énergies

The CERN CMS Silicon Strip Tracker Control System

F. Drouhin, L. Gross, D. Vintache, A. Marchioro, C. Paillard, C. Ljuslin, L. Mirabito, P.G. Verдини
NSS Rome 2004 Conference, October 16-22, 2004
CMS-CR-2004-032, CERN, Geneva, August 2004

Using XDAQ in Application Scenarios of the CMS Experiment

J. Gulteber et al.

Number of co-authors: 33 persons
Submitted to Computing in High-Energy and Nuclear Physics,
La Jolla, March 24-28, 2003

Study of radiation damage and substrate resistivity effects from beam test of silicon microstrips using LHC readout electronics

Angarano, M M et al.

Number of co-authors: 38 persons
Nucl. Instrum. Methods Phys. Res, A 488 (2002) 85-93

Tracker data acquisition for beamtest and integration

L. Mirabito, P. Siegrist, A. Tsirou, M. Ageron, N. Lumb, S. Perries, B. Trocme, F. Drouhin, L. Gross, D. Vintache, W. Beaumont, P. Verдини
CERN Internal Note, CMS-IN -2003/021, CERN, Geneva

The CMS Microstrip Detector Silicon Tracker System Tests

N. Marinelli on behalf of the CMS Tracker Collaboration

Pres. at: 8th Workshop on Electronics for LHC Experiments

Colmar, France - September 9 - 13, 2002

A Prototype of the Control System for the CMS Tracker Front-End

J. Dirnberger ; F. Drouhin ; P. Figueiredo ; W. Funk ; C. Ljustin ; A. Marchioro ; E. Murer ; C. Paillard ; P.

Siegrist ; A. Tsiro ; P. Gras ; L. Gross ; C. Maazouzi ; D. Vintache ; N. Marinelli ; P.G. Verdini

Pres. at: 8th International Conference on Accelerator and Large Experimental Physics Control Systems, San Jose, CA, USA, 27 - 30 Nov 2001

Front-End electronics configuration system for CMS

Gras, P ; Drouhin, F ; Funk, W ; Gross, L ; Vintache, D ;

Pres. at: 8th International Conference on Accelerator and Large Experimental Physics Control Systems, San Jose, CA, USA, 27 - 30 Nov 2001

The Control system for the CMS Tracker front-end

F.Drouhin ; P.Figueiredo ; P.Gras ; C.Ljustin ; C.Maazouzi ; A.Marchioro ; N.Marinelli ; C.Paillard ; P.Placidi ;

P.Siegrist ; A.Tsiro ; P.G.Verdini ; P.Walsham ; A.Zghiche

Pres. at: The 2000 Nuclear Science Symposium (NSS), Lyon, France, October 15 - 20, 2000

IEEE Transaction for Nuclear Science, Volume 49, p. 846-850

Test of the CMS Microstrip Silicon tracker readout and control system

A. Zghiche ; W. Beaumont ; C. Cividini ; J. Coughlan ; F. Drouhin ; P. Figueiredo ; L. Fiore ; A. Furtjes ; A.

Giassi ; J. Gutleber ; C. Ljustin ; M. Loretto ; C. Maazouzi ; A. Marchioro ; N. Marinelli ; P. Mattig ; T.

Parthipan ; C. Paillard ; P. Siegrist ; L. Silvestris ; A. Tsiro ; P.G. Verdini ; P. Walsham and B. Wittmer

Pres. at: Frontier Detectors for Frontier Physics, 8th Pisa meeting on Advanced Detectors Mat 21-27 2000, La Biodola, Isola d'Elba, Italy

Nuclear Instruments and Methods in Physics Research Section A, Volume 461, Issue 1-3, 2001, pp. 470-473

The data acquisition system for the CMS Tracker beam tests

F. Drouhin ; B. Schwaller ; A. Pallares ; P.G. Verdini ; J.C. Fontaine ; F. Jeanneau ; D. Huss

IEEE Transaction for Nuclear Science

2000, Volume 47, [p. 2773-2780]

The CMS Tracker front-end and control electronics in an LHC like beam test.

W.Beaumont ; M.Bozzo ; C.Cividini ; J.Coughlan ; F.Drouhin ; P.Figueiredo ; L.Fiore ; A.Giassi ; K.Gill ;

J.Gutleber ; G.Hall ; L.Latronico ; C.Ljustin ; M.Loreti ; C.Maazouzi ; S.Marchioro ; N.Marinelli ; C.Paillard ; T.

Parthipan ; P.Siegrist ; L.Silvestris ; I.Tomalin ; A.Tsiro ; P.G.Verdini ; P.Walsham ; B.Wittmer ; A.Zghiche ;

F.Vasey ;

Pres. at: 6th Workshop on Electronics for LHC Experiments, Cracow, Poland, 11 - 15 Sep 2000

First results of Micromegas detector with fast integrated electronics

F. Jeanneau, Y. Benhammou, R. Blaes, J.M. Brom, F. Charles, F. Didierjean, F. Drouhin, J.C. Fontaine, J.M.

Helleboid, D. Huss

Nuclear Instruments and Methods

2000, A450, [p. 313-324]

Beam Test Results of a Wedge-Shaped MSGC + GEM detector at CERN.

Y. Benhammou, R. Blaes, F. Drouhin, J.C. Fontaine, D. Huss, F. Jeanneau, V. Mack, B. Schwaller, J.M. Brom, I. Ripp-Baudot, A. Zghiche.

Nuclear Instruments and Methods

2000, A441, [p. 452-458]

The Data Acquisition System for the CMS Tracker Beam Tests

F. Drouhin, B. Schwaller, A. Pallarès, P.G. Verдини, J.C. Fontaine, F. Jeanneau, D. Huss

IEEE Transaction for Nuclear Science

2000, Volume 47, [p. 2773-2780]

The forward-backward MSGC Milestone status report

F. Drouhin et al.

Number of co-authors: 30

IRES-98-04, Institut de Recherche Subatomique de Strasbourg

CMS Forward-Backward MSGC milestone

O. Bouhali et al.

Number of co-authors: 98

CMS Note-1998-095, CERN, Geneva

The Trigger System of the First CMS Tracker Beam Tests

B. Schwaller, C. Hoffmann, F. Drouhin, A. Pallares, J. C. Fontaine, Y. Benhammou, F. Charles, and D. Huss

IEEE Transaction for Nuclear Science

October 1998, Volume 45, [p. 2314-2318]

CMS-NOTE-1998-029

A Unix SVR4-OS9 Distributed Data Acquisition for High Energy Physics

F. Drouhin ; B. Schwaller ; J.C. Fontaine ; F. Charles ; A. Pallarès ; D. Huss

Pres. at: Xth IEEE Real Time Conference, Beaune France September 22 - 26, 1997

IEEE Transaction for Nuclear Science

1998, Volume 45, [p. 1923-1927]