




PERSONAL INFORMATION: Marion BERBINEAU



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-  State personal website(s)

Sex F | Date of birth 18/09/1962 | Nationality French
 Married, 3 children born in 1988, 1993, 2000

WORK EXPERIENCE

Research Director at IFSTTAR (former INRETS) (www.ifsttar.fr), in charge of coordination of Railway research at Ifsttar (from January 2017)

Deputy manager COSYS (Component and SYStem) department (from January 2013 to December 2016) – 11 laboratories, 270 persons – In 2014 I was in charge of the National scientific evaluation of the department.

Director of LEOST laboratory (From 2002 to 2013) at INRETS – 40 persons

Full time Researcher in the domain of ICT for transport and smart cities since 1989 at INRETS (Ifsttar since 2011)

EDUCATION AND TRAINING

- 2001 - Equivalence of HDR (Habilitation à Diriger des Recherche) – French rules related to the success to Research Director position at national level
- 1989 - PhD degree from University of Lille - Electronic and Nano-electronics
- 1986 - Engineer degree in Informatics, Automatics and measure from Polytech'Lille (Former EUDIL)

PERSONAL SKILLS

- Mother tongue(s)
- French
 - English (language for work)
 - Italian (good knowledge, reading, listening, speaking)
 - Spanish (understanding)
 - Russian (learnt at school long time ago)

Communication skills As a researcher I am familiar with teaching, scientific presentation, etc.

Organisational / managerial skills

- Director of a laboratory of 40 persons during 12 years
- Deputy director of a department of 11 laboratories (270 persons) during 4 years
- In charge of coordination of Railway research at Ifsttar since January 2017 (5 departments)
- Scientific advisor in the domain of ICT for Railenium
- Project leader of 6 national projects
- Workshops and international conferences organisation

- Scientific networks animation – I am still co-leader of pole 5 (intelligent mobility) of EURNEX.

Scientific skills

- Wireless communication systems for transports, smart cities, sensors. Cellular systems : GSM, GSM-R, TETRA, UMTS, EDGE, LTE, LTE-A, 5G, Cognitive Radio, relaying; cooperative systems
- Electromagnetic modelling, radio waves propagation, radio channels characterization and complex environments modelling (railway tunnels, cutting, urban environments...);
- Localisation systems based on satellites (GNSS) or radio systems
- Interferences and perturbations of radio systems
- Signal processing for telecommunications and localisation, MIMO (Multiple Input, Multiple Output) techniques, pre-coding, estimation, spectrum sensing, antennas
- Information and Communication Technologies ITS (Intelligent Transport System)

Scientific supervision

- PhD direction (17 defended, 4 on going)
- Reviewer of 18 PhD since 2001
- Reviewer of 6 HDR
- Participation to 26 PhD defences, 11 as president
- Teaching at Master 2 level (in average 20 hours per year)
- Tutoring of 18 post-doc and 12 Engineers

ADDITIONAL INFORMATION

Publications

36 international peers reviewed journals, 15 other journals, 25 scientific books or chapters, 130 papers in international conferences with proceedings, 89 research reports, 22 Invited Communications,

Patents

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Projects

Participation to 23 European projects (19 in the railway domain), 16 National and Regional projects (6 as project leader and 10 in the railway domain), 13 direct contracts with industry (10 with railway industry)

Honours and awards:

Chevalier de l'Ordre National du Mérite since the 11/11/2010

Member nominated by the ministry to "Haut Comité du Transport Ferroviaire"

ANNEXES

- List of projects
- List of publication

List of Projects

- **CERACS** (Comparative Evaluation of the Different Radiating Cables and Systems Technologies) – FP2- DRIVE 1 - http://cordis.europa.eu/project/rcn/16960_en.html
- **SMILER** (Short range microwave links : Present and future) – FP2 DRIVE 1 -
- **ICAR** (Integrated Confined Area RTI communication system) – FP3-DRIVE 2 - 1992-01-01 to 1994-12-31
- **BOSS** (EUREKA): On Board Wireless Secured Video Surveillance, CELTIC - EUREKA
- **CISIT** : <http://www.cisit.org/fr> - Campus Interdisciplinaire pour la Sécurité et l'Intermodalité dans les Transports.
- **CORRIDOR** (ANR) : COgnitive Radio for Railway through Dynamic and Opportunistic spectrum Reuse - <http://corridor.ifsttar.fr/>
- **C-ROADS** (<https://www.c-roads.eu/platform/about/about.html>) – Harmonization of C-ITS deployment. The C-Roads Platform is a cooperation of Member States and road operators working on the deployment of harmonised and interoperable C-ITS services in Europe
- **DEUFRAKO** : Coopération franco-allemande en recherche sur les transports fondée en 1978 (<http://deufrako.org/web/index.php?id=2&L=1>) – **Projet DEUFRAKO-M et DEUFRAKO-P**
- **ELSAT 2020 by CISIT** : Écomobilité, Logistique, Sécurité et Adaptabilité dans les Transports à l'Horizon 2020- CPER 2017-2020 (<http://www.frttm.fr/elsat2020>) – **Projet SMARTIES**
- **ESCORT** (FP5 – IST- formation Society Technologies): Enhanced diversity and Space-time Coding for underground metrO and Railway Transmission - http://cordis.europa.eu/project/rcn/56857_fr.html
- **EVAS** (Projet PREDIT)
- **EURNEX** (REX): the European rail Research Network of Excellence, www.eurnex.org
- **GALOROI** (FP7): Galileo Localization for Railway Operation Innovation - <http://www.galoroi.eu/>
- **IN2RAIL** (H2020): Innovative Intelligent Rail - <http://www.in2rail.eu/>
- **INTEGRAIL** (FP5): INTElligent inteGration of RAILway systems (<http://www.integrail.info/>)
- **LOCOPROL** (FP5): Low Cost satellite based train control system for signalling and train Protection for Low density traffic railway lines - http://www.transport-research.info/web/projects/project_details.cfm?id=7547
- **MOCAMIMODYN** (ANR) : Modèles de Canaux MIMO DYNamiques en tunnels pour des applications Transports Publics - <http://www.agence-nationale-recherche.fr/?Projet=ANR-07-TSFA-0010>
- **MORANE** (FP4 - TELEMATICS): Mobile Radio for railway Networks in Europe - <http://cordis.europa.eu/transport/src/morane.htm>
- **MOSTRAIN** (FP4 – ACTS - Advanced Communications Technologies and Services): Mobile System for high speed TRAINs - <http://cordis.europa.eu/infowin/acts/rus/projects/ac104.htm>
- **MODURBAN** (FP5): Modular urban guided rail systems - Next generation urban rail system (http://ec.europa.eu/research/transport/projects/items/modurban___next_generation_urban_rail_systems_en.htm)
- **QUALISAR** (FP7): Development of a Qualification Procedure for the Usage of Galileo Satellite Receivers for Safety Relevant Applications - <http://www.qualisar.eu/>
- **RAILCOM** (FP6): Electromagnetic Compatibility between Rolling Stock and Rail-infrastructure encouraging European Interoperability - http://cordis.europa.eu/publication/rcn/12423_en.html
- **ROLL2RAIL** (H2020): Developing the rolling stock of the future - <http://www.roll2rail.eu/>
- **SAFE4RAIL** : Safe Architecture For Robust Distributed Application Integration In Rolling Stock – accepted by Shift2Rail – H2020-S2RJU-OC-2016-01-2 - <https://safe4rail.eu/>
- **SATLOC** (FP7): Satellite based operation and management of local low traffic lines - <http://satloc.uic.org/Project-summary>
- **SMARTRACON** – Consortium composé de Railenium, CEIT, DLR et NSL, membre associé dans l'IP2 de Shift2Rail
- **SCOOP@FR** (<http://www.scoop.developpement-durable.gouv.fr/>). SCOOP est un projet de déploiement pilote de systèmes de transport intelligents coopératifs
- **SHIF2RAIL** : <http://shift2rail.org/>
- **SYSTUF** (AMI ITS) : SYStème Télécom pour les Transports Urbains du Futur - <http://systuf.ifsttar.fr/>
- **TESS** Projet financé par le ministère de la recherche
- **TCRAIL** (Railenium) – Télécommande à distance d'une locomotive de fret.
- **Train-IPSAT** : (PREDIT) : http://www.ifsttar.fr/fileadmin/user_upload/editions/inrets/Syntheses/Syntheses_INRETS_S51.pdf
- **URC** (FUI) : Urbanisme des Radio Communications - <http://www.systematic-paris-region.org/fr/projets/urc>
- **VEGAS** (ANR) : Virtual lab based on co-simulation to include impairments of wireless tElecommunication such as GSM-R in the evAluation of ERTMS components – (<http://vegas.ifsttar.fr/>)
- **X2RAIL-1** : Start-up activities for Advanced Signalling and Automation Systems (<https://shift2rail.org/projects/x2rail-1/>)

List of publications

Patents

- Brev-1. HEDDEBAUT, M., RIOULT, J., BERBINEAU, M., DUHOT, D. - Dispositif et procédé de transmission d'informations pour système à guide d'ondes rayonnant - Dépôt de demande de brevet en France à l'INPI n° 96-01620 - GEC ALSTHOM le 9 février 1996
- Brev-2. HEDDEBAUT, M., RIOULT, J., BERBINEAU, M., DUHOT, D. - Dispositif et procédé de transmission d'informations pour système à guide d'ondes rayonnant. Extension du dépôt de demande au BRESIL, MEXIQUE, HONGRIE, REPUBLIQUE TCHEQUE, REPUBLIQUE SLOVAQUE, AFRIQUE DU SUD, ETATS UNIS, CANADA, Antériorité française INPI n° 96-01620 GEC ALSTHOM le 16 janvier 1997
- Brev-3. HEDDEBAUT, M., BERBINEAU, M., DEGAUQUE, P., LASSALLE, S. - Système de localisation par ondes électromagnétiques hyperfréquences - Propriété industrielle : GEC ALSTHOM - Convention complémentaire d'exploitation GEC ALSTHOM-INRETS - Dépôt a l'INPI no: 91.10787 le 30/08/1991
- Brev-4. MARAIS, J., FLANCQUART, A., AMBELLOUIS, S., BERBINEAU, M., Procédé de localisation d'un véhicule, INRETS, N° de dépôt FR 06 54018, 29/09/2006
- Brev-5. MARAIS, J., FLANCQUART, A., AMBELLOUIS, S., BERBINEAU, M., Procédé de localisation d'un véhicule, INRETS, Extention PCT 10.04.2008
- Brev-6. VAN DEN ABEELE, D, WAHL, M, BERBINEAU, M, Procédé de transfert de données d'alerte entre un véhicule ferroviaire en panne et un centre de contrôle, dispositif associé, ALSTOM, N° de dépôt FR 09 52875, 30/04/09
- Brev-7. VAN DEN ABEELE, D, WAHL, M, BERBINEAU, M, Procédé de transfert de données d'alerte entre un véhicule ferroviaire en panne et un centre de contrôle, dispositif associé, ALSTOM, Extension PCT Mai 2010
- Brev-8. AGUADO, M, JACOB, E, BERBINEAU, M, Método de traspasso y estacion movil en un sistema de comunicaciones inalambrico de banda ancha, N° de dépôt P 200930259, 04/06/09
- Brev-9. RABAH, H., SEETHARAMDOO, D., SROUR, H., BERBINEAU, M, Procédé d'amélioration de l'efficacité d'une antenne électriquement petite, dépôt INPI 20 juin 2016, N FR16 55690

ACL : Peers reviewed Journals

- ACL-1. RIVOIRARD, L., WAHL, M., SONDI, P., BERBINEAU, M., GRUYER, D., Chain-Branch-Leaf: a Clustering Scheme for Vehicular Networks Using Only V2V, Communications, Ad Hoc Networks (2017), doi: 10.1016/j.adhoc.2017.10.007
- ACL-2. MARAIS, J., BEUGIN, J., BERBINEAU, M., 2017, *A Survey of GNSS-Based Research and Developments for the European Railway Signaling*, IEEE Transactions on Intelligent Transportation Systems, Institute of Electrical and Electronics Engineers - IEEE, 17p, DOI : 10.1109/TITS.2017.2658179, <http://ieeexplore.ieee.org/document/7857080/>, <https://doi.org/10.1109/TITS.2017.2658179>,
- ACL-3. UNTERHUBER, P., PFLETSCHINGER, S., SAND, S., SOLIMAN, M., JOST, T., ARRIOLA, A., VAL, I., CRUCES, C., MORENO, J., GARCIA-NIETP, P., RODRIGUEZ, P., BERBINEAU, M., ECHEVERRIA, E., BAZ, I., *A Survey of Channel Measurements and Models for Current and Future Railway Communication Systems*, Mobile Information Systems, Hindawi, Volume 2016 (2016), Article ID 7308604, 14 pages, <http://dx.doi.org/10.1155/2016/7308604>
- ACL-4. NGUYEN, T.P.K., BEUGIN, J., BERBINEAU, M., KASSAB, M., *A new analytical approach to evaluate the critical-event probability due to wireless communication errors in Train Control Systems*, IEEE Transactions on Intelligent Transportation Systems, IEEE, 2016, 10 pages, DOI: 10.1109/TAP.2016.2571723
- ACL-5. LEGRAND C., BEUGIN J., CONRARD B., MARAIS J., BERBINEAU M., EL-KOURSI E.-M., *From extended integrity monitoring to the safety evaluation of satellite-based localization*, International scientific journal Reliability Engineering & System Safety (RESS), vol. 155, pp 105-114, <http://dx.doi.org/10.1016/j.ress.2016.04.011>
- ACL-6. RIVOIRARD, Lucas, WAHL, Martine, SONDI, Patrick, BERBINEAU, Marion, GRUYER, Dominique, 2016, *Using Real-World Car Traffic Dataset in Vehicular Ad Hoc Network Performance Evaluation*, International Journal of Advanced Computer Science and Applications (IJACSA), The Science and Information Organization, 7, 12, p390-398, <http://doi.org/10.14569/IJACSA.2016.071251>,

- ACL-7. CONIGLIO, Christophe, MEURIE, Cyril, LEZORAY, Olivier, BERBINEAU, Marion, 2017, *People silhouette extraction from people detection bounding boxes in images*, Pattern Recognition Letters, Elsevier, 93, pp. 182-191, DOI : 10.1016/j.patrec.2016.12.014, <http://dx.doi.org/10.1016/j.patrec.2016.12.014>,
- ACL-8. RABAH, M.; SEETHARAMDOO, S.; BERBINEAU, M., *Analysis of Miniature Metamaterial and Magnetodielectric Arbitrary-Shaped Patch Antennas Using Characteristic Modes: Evaluation of the Q Factor*, IEEE Transactions on Antennas and Propagation, IEEE, 2016, Volume: 64, Issue: 7, Pages: 2719 - 2731, DOI: 10.1109/TAP.2016.2571723
- ACL-9. SNIADY, A., SOLER, J., KASSAB, M., BERBINEAU, M., *Ensuring Long-Term Data Integrity: ETCS Data Integrity Requirements Can Be Fulfilled Even under Unfavorable Conditions with the Proper LTE Mechanisms*, IEEE Vehicular Technology Magazine, 2016, Volume: 11, Issue: 2, Pages: 60 - 70, DOI: 10.1109/MVT.2015.2503882
- ACL-10. RABAH, M.; SEETHARAMDOO, S.; BERBINEAU, M.; DE LUSTRAC, A., *New Metrics for Artificial Magnetism from Metal-dielectric Metamaterial Based on The Theory of Characteristic Modes*, IEEE Antennas and Wireless Propagation Letters, IEEE, 2016, Volume: 15, Pages: 460 - 463, DOI: 10.1109/LAWP.2015.2452269
- ACL-11. MATOLAK, D.W.; BERBINEAU, M.; MICHELSON, D.G.; CHEN, C., *Future railway communications [Guest Editorial]*, Communications Magazine, IEEE, Year: 2015, Volume: 53, Issue: 10, Pages: 60 - 61, DOI: 10.1109/MCOM.2015.7295464
- ACL-12. RABAH, M.H.; SEETHARAMDOO, D.; ADDACI, R.; BERBINEAU, M., *Novel Miniature Extremely-Wide-Band Antenna With Stable Radiation Pattern for Spectrum Sensing Applications*, IEEE Antennas and Wireless Propagation Letters, 2015, Volume: 14, Pages: 1634 - 1637, DOI: 10.1109/LAWP.2015.2415491
- ACL-13. KALAKECH, A. ; BERBINEAU, M. ; DAYOUB, I. ; SIMON, E. ; *Time Domain LMMSE Channel Estimator Based on Sliding Window for OFDM Systems in High Mobility Situations*, IEEE Transactions on Vehicular Technology, 2015, Volume: 64, Issue: 12, Pages: 5728 - 5740, DOI: 10.1109/TVT.2014.2387255
- ACL-14. CASTIBLANCO, J.A.; SEETHARAMDOO, D.; BERBINEAU, M.; NEY, M.M.; GALLEE, F., *Surface Impedance Boundary Conditions in Time Domain for Guided Structures of Arbitrary Cross Section with Lossy Dielectric Walls*, IEEE transaction on Antennas and propagation, 2015, Volume: 63, Issue: 3, Pages: 1086 - 1097, DOI: 10.1109/TAP.2015.2388535
- ACL-15. HASSAN, K. ; GAUTIER, R. ; DAYOUB, I. ; BERBINEAU, M. ; RADOI, E., *Multiple-Antenna Based Blind Spectrum Sensing in the Presence of Impulsive Noise*, IEEE Transactions on Vehicular Technology, 2014, Volume: 63, Issue: 5, Pages: 2248 - 2257, DOI: 10.1109/TVT.2013.2290839
- ACL-16. THAI, C.D.T.; JEMIN LEE; NGUYEN, H.X.; BERBINEAU, M.; QUEK, T.Q.S., *Multi-Cell Multi-User Relaying Exploiting Overheard Signals*, IEEE Wireless Communications Letters, IEEE, 2014, Volume: 3, Issue: 4, Pages: 401 - 404, DOI: 10.1109/LWC.2014.2322036
- ACL-17. KWADJANE, J.M. ; VRIGNEAU, B. ; LANGLAIS, C. ; COCHERIL, Y. ; BERBINEAU, M., *Performance evaluation of max-dmin precoding in impulsive noise for train-to-wayside communications in subway tunnels*, EURASIP Journal on Wireless Communications and Networking, Vol.83, 2014, DOI: 10.1186/1687-1499-2014-83
- ACL-18. FATANI, I., ZWINGELSTEIN-COLIN, M., GHARBI, M., COUDOUX, F.X., BERBINEAU, M., GAZALET, M., *An SVD-aided efficient bit-loading algorithm for MIMO transmission over spatially correlated channels*, Wireless Personal Communications, 75, 2 (2014) 1167-1185 (available online September 26, 2013; published march 2014). doi: 10.1007/s11277-013-1414-3
- ACL-19. BEN CHIKKA, H. ; DAYOUB, I. ; BERBINEAU, M. ; *Distributed turbo coded cooperation networks under imperfect channel state information in Rayleigh fading channels*, IET Communications, Year: 2013, Volume: 7, Issue: 10, Pages: 973 - 979, DOI: 10.1049/iet-com.2012.0519
- ACL-20. AVELLA-CASTIBLANCO, J., SEETHARAMDOO, D., BERBINEAU, M., NEY, M., GALLEE, F., *Electromagnetic modeling and definition of antenna specifications and positions for radio system deployment in confined environments*, IOP Conference Series: Materials Science and Engineering, IOP PUB, -, 2013, 1, vol 44, 5p, DOI : 10.1088/1757-899X/44/1/012010, <http://iopscience.iop.org/1757-899X/>, <http://dx.doi.org/10.1088/1757-899X/44/1/012010>,
- ACL-21. ADDACI, R., SEETHARAMDOO, D., RABAH, M-H., BERBINEAU, M., *Multi-band multi-antenna system for diversity and/or MIMO applications*, International Journal of Research in Wireless Systems, 2013, 1, 7p, <http://www.ijrws.org>,
- ACL-22. HAIROUD, S., COMBEAU, P., POUSET, Y., COCHERIL, Y., BERBINEAU, M., VAUZELLE, R., *Study of Propagation Mechanisms in Dynamical Railway Environment to Reduce Computation Time of*

- 3D Ray Tracing Simulator, International Journal of Antennas and Propagation, HINDAWI, -, 2013, 11, DOI : 10.1155/2013/785675,
- ACL-23. AGUADO, M., JACOB, E., BERBINEAU, M., ASTORGA, J., TOLEDO, N., *The cross layer RMPA handover: a reliable mobility pattern aware handover strategy for broadband wireless communication in a high-speed railway domain*, EURASIP Journal on Wireless Communications and Networking 2012, 2012:298 doi:10.1186/1687-1499-2012-298
- ACL-24. FANG, J., SIMON, E., BERBINEAU, M., LIENARD, M., *Joint Channel and Phase noise Estimation in OFDM systems at very high speeds*, International Journal of Electronics and Communications, AEU-Int. J. Electron. Commun., pp. 1-6 (IF 0.693), 2012, DOI: 10.1016/j.aeue.2012.09.002
- ACL-25. FATANI, I-F-E, COCHERIL, Y., NSIALA, C., VRIGNEAU, B., BERBINEAU, M., COUDOUX, F-X., *Robust train-to-wayside video communications in tunnels using H.264 error-resilient video encoding combined with multiple antenna systems*, Transportation research - Part C : Emerging technologies, ELSEVIER, -, 2012, pp168–180, DOI : 10.1016/j.trc.2012.06.001, <http://www.sciencedirect.com/science/journal/0968090X>, <http://dx.doi.org/10.1016/j.trc.2012.06.001>,
- ACL-26. HASSAN, Kais, DAYOUB, Iyad, HAMOUDA, Walaa, NSIALA, Crespin, BERBINEAU, Marion, *Blind Digital Modulation Identification for Spatially-Correlated MIMO Systems*, IEEE Transactions on Wireless Communications, IEEE, 2012, 2, pp683-693 , DOI : 10.1109/TWC.2011.122211.110236
- ACL-27. SIMON, EP, ROS, L, HIJAZI, H, FANG, J, GAILLOT, DP, BERBINEAU, M, *Joint Carrier Frequency Offset and Fast Time-varying Channel Estimation for MIMO-OFDM Systems*, IEEE Transactions on Vehicular Technology, IEEE, 2011, Vol60, Issue 3, p955 - 965, DOI : 10.1109/TVT.2011.2104970
- ACL-28. MASSON, E, COCHERIL, Y, COMBEAU, P, AVENEAU, L, BERBINEAU, M, VAUZELLE, R, FAYT, E, *Radio wave propagation in curved rectangular tunnels at 5.8 GHz for metro applications, simulations and measurements*, EURASIP Journal on Wireless Communications and Networking, Springer Open Journal, -, 2011, 2011, n202, 17p, DOI : 10.1186/1687-1499-2011-202, <http://jwcn.eurasipjournals.com/content/pdf/1687-1499-2011-202.pdf>,
- ACL-29. DUDOYER, S., DENIAU, V., ADRIANO, R., BEN SLIMEN, N., RIOULT, J., MEYNIEL, B., BERBINEAU, M., *Study of the Susceptibility of the GSM-R Communications to the Electromagnetic Interferences of the Rail Environment*, IEEE Transactions on Electromagnetic Compatibility, 2012, 3, p667-676, DOI : 10.1109/TEMC.2011.2169677, <http://dx.doi.org/10.1109/TEMC.2011.2169677>,
- ACL-30. BEUGIN,J, FILIP,A, MARAIS,J, BERBINEAU,M, *Galileo for railway operations: question about the positioning performances analogy with the RAMS requirements allocated to safety applications*, European Transport Research Review (ETRR), ECTRI ; Springer, 2010, vol2,n2, p93-102, DOI : 10.1007/s12544-010-0032-3
- ACL-31. MASSON, E, COMBEAU, P, COCHERIL, Y, BERBINEAU, M, AVENEAU, L, VAUZELLE, R, *Radio Wave Propagation in Arch-Shaped Tunnels: Measurements and Simulations by Asymptotic Methods*, Comptes rendus Physique ; Comptes Rendus de l'Académie des Sciences - Series IV - Physics-Astrophysics, Elsevier, -, 2010, vol11, p44-53, DOI : 10.1016/j.crchy.2009.12.003,
- ACL-32. HASSAN, K, DAYOUB, I, HAMOUDA, W, BERBINEAU, M, *Automatic Modulation Recognition Using Wavelet Transform and Neural Networks in Wireless Systems*, EURASIP Journal on Advances in Signal Processing, Hindawi, 2010, Vol. 2010, Article ID 532, 13p, DOI : 10.1155/2010/532898
- ACL-33. COCHERIL,Y, BERBINEAU,M, COMBEAU,P, POUSSET,Y, 2009, *On the importance of the MIMO channel correlation in underground railway tunnels*, Journal of Communications, Academy Publisher, Vol4, n4, p224-231, Mai 2009
- ACL-34. MASSON,E, COMBEAU,P, BERBINEAU,M, VAUZELLE,R, *Simulation of radio wave propagation in arched cross section tunnels, 2nd International Conference on Wireless Communications in Underground and Confined Areas*, Journal of Communications, Academy Publisher, Vol4, n4, P276-283, Mai 2009
- ACL-35. BEUGIN,J, VIANDIER,N, MARAIS,J, BERBINEAU,M, *GNSS pour la localisation sûre des transports terrestres guidés ou publics de type bus en site propre ou tramways*, Navigation, Institut français de navigation, Paris, 2009, Vol57, n225, p5-24
- ACL-36. MARAIS, J.; BERBINEAU, M.; HEDDEBAUT, M., *Land Mobile GNSS Availability and Multipath Evaluation tool*, IEEE Transac. On vehicular technologies, 2005, Volume: 54, Issue: 5, Pages: 1697 - 1704, DOI: 10.1109/TVT.2005.853461

(ACLN) Peers reviewed Journal non repertoried

- ACLN-1. BERBINEAU, M. ; KASSAB, M. ; GRANSART, C. ; WAHL, M. ; COCHERIL, Y. ; MASSON, E. ; SEETHARAMDOO, D. ; SANZ, D. ; H. GHANNOUM, H. ; GATIN, O. ; *Le véhicule connecté dans les transports publics : technologies existantes et perspectives*, REE N° 4, 2014
- ACLN-2. PARDONCHE, J-F., BERBINEAU, M., SEGUINOT, C., Présentation de quelques modèles stochastiques de canal MIMO et comparaison expérimentale – Annales des télécommunications, Volume 60, n°5/6, mai-juin 2005
- ACLN-3. MARAIS, J., BERBINEAU, M., GHYS, J-P., « Outil d'analyse de la disponibilité de systèmes de localisation par satellite » - I2M – Capteurs pour les transports guidés, pages 189-217, 2/2002.
- ACLN-4. MARAIS, J., MEUNIER, B., BERBINEAU, M., Utilisation du traitement d'images pour l'évaluation de la disponibilité des satellites GPS le long d'une voie de chemin de fer - Revue Générale des Chemins de Fer - Numéros spéciaux « Recherche » - N°4 et N°6 Avril – Juin 1999
- ACLN-5. BERBINEAU, M. - Spécial Systèmes intelligents de transport : Intelligence et transports guidés - " Les systèmes de transmission sol - train : état de l'art et perspectives " - Recherche Transports Sécurité - N°62 – Janvier-Mars 1999
- ACLN-6. BERBINEAU, M., TATKEU, C., GHYS, J.P., RIOULT, J.- Spécial Systèmes intelligents de transport - " Localisation de véhicules en milieu urbain par GSM ou radiogoniométrie " - RTS N°61- Octobre-Décembre 1998 – pp38 –52
- ACLN-7. HEDDEBAUT, M., BERBINEAU, M. – Guides d'ondes rayonnants dans les transports guidés - Recherche Transport Sécurité (RTS) N° 31 pp 3-13 – 1991
- ACLN-8. BERBINEAU, M., « Compte rendu du colloque SIA » - Toulouse Mai 1990 - RTS n°27 - 09/90 »

(ASCL) Journal with no peers review

- ASCL-1. BERBINEAU, M., Le train autonome en bonne voie, Trajectoires, Numéro 13, Juin 2017.
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