

Rudolph SOCK

Rudolph SOCK is Professor in General and Experimental Phonetics, and Phonology at the Phonetics Institute of Strasbourg (IPS), in the University of Strasbourg, Unistra. He is currently Director of the Linguistics, Languages and Speech Laboratory, LiLPa in this university.

Rudolph Sock is also Professor at the Faculty of Arts in Pavol Jozef Šafárik University (UPJS) in Košice where he teaches within study programmes in linguistics (phonetics, phonology and the speech sciences).

As a member of the Language Information and Communication Laboratory (LICOLAB) at UPJS, he works on anticipatory phonetic strategies for simultaneous and consecutive interpretation in an APPV project (APPV-15-0307).

He has carried out research works and/or lectured in internationally known research institutions and universities in Grenoble (Gipsa-Lab) in France, at the University of Neuchâtel in Switzerland (Course for Speech Therapists), and at the Speech Communication Institute of Munich, in Germany.

He obtained scholarship from the Fyssen Foundation (Cognitive Sciences) to carry out research on speech motor control and learning at Haskins Laboratories (Yale affiliate), New Haven Connecticut, U.S.A., from 1991 to 1992, and was Associate Researcher in this laboratory from 1991 to 1996.

He has since then coordinated several French and European research grants. His main current research interests are in speech production and perception in relation to the emergence of phonological cognitive processes, disordered speech and rare languages.

EDUCATION

- Bachelor of Arts in Modern Literature, 1980 (University of Grenoble III)
- Master's Degree in General Linguistics, 1980 (University of Grenoble III)
- M.Phil. - Diploma of Advanced Studies in Linguistics and phonetics, 1981 (University of Grenoble III)
- PhD (Doctorate) in Linguistics and phonetics, in 1983 (University of Grenoble III)
- State Doctorate (*Doctorat d'Etat*) in Linguistics (Language Sciences and Speech Communication) in 1998 (Grenoble Institute of Speech Communication - INPG/ Stendhal University)

CURRENT POSITIONS

- Professor, University of Strasbourg, France
- Director of the Linguistics, Languages and Speech Laboratory, UR 1339 LiLPa, University of Strasbourg, France
- Visiting Professor, Faculty of Arts, Pavol Jozef Šafárik University (UPJS), Košice, Slovakia
- Visiting Professor, Binzhou Medical University, Yantai City (China)

COURSES TAUGHT

MASTERS

- Major current theories in phonology and phonetics
- The spatiotemporal organisation of speech
- Models and modelling: anticipation and retention
- Articulatory, acoustic and conceptual modelling
- Cognition and speech production and perception
- Speech in the Cognitive Sciences
- Timing and motor control in speech
- Perception and action: contextual constraints and gestural dynamics

- Research Methodology in Linguistics

BA

- French Linguistics: introduction to the phonetics of French (International Phonetic Alphabet) - Phonetics and phonology: introduction to articulatory phonetics; the phonetics and phonology interface
- Phonology I: introduction to phonology (traditional perspectives, distinctive features)
- Phonology II: Prosody and phonology (accent, tone, quantity, intonation): cross-language studies
- Introduction to experimental phonetics: articulatory and acoustic phonetics
- General and Experimental Phonetics: prosody
- Phonology: Distinctive Features, Generative Phonology, Auto-segmental Phonology, Laboratory Phonology, Articulatory Phonology...)
- Research Methodology in Linguistics

SCIENTIFIC RESPONSIBILITIES

- Director of the Linguistics, Languages and Speech Research Unit – UR 1339 LiLPa, University of Strasbourg - (2013 - 2017; 2018 - 2023)
- Member of the French National Committee for Scientific Research – CNRS, Section 34 Linguistics
- Member of ILF - Institute of French Linguistics - FR 2393 (until 2019)
- Researcher at the Language, Information and Communication Laboratory (LICOLAB), Faculty of Arts Pavol Jozef Safarik University in Kosice, Slovakia [<https://www.upjs.sk/public/media/14896/LICOLAB-EN.pdf>]
- Professor at the Department of British and American Studies, Faculty of Arts Pavol Jozef Safarik University in Kosice, Moyzesova 9 (Platon building) 040 01 Kosice, Slovakia
- Director of the *Dixit Grammatica* Collection, L'Harmattan (with Fabrice Marsac)
- Member of the Strategic Orientation Committee (COS) of the Institute for Research in Language Sciences and Technologies (IRSTL), University of Mons, Belgium
- Member of the Board of the Doctoral School of the Humanities - ED520, University of Strasbourg
- Expertise for the High Council for Evaluation of Research and Teaching (HCERES), Ministry of Research Committee, since 2012.
- Expertise for the French National Research Agency (ANR) and the Franco-German Research Agency (ANR-DFG), since 2012.

FUNDED RESEARCH GRANTS: PROJECT LEADER

- European Grant - ESPRIT BR "Speech Maps": 1994-1995 (relations between perception and action). The Phonetics Institute of Strasbourg (IPS): partner. [50 K€]
- CNRS Grant 1997-2000: The Language Industries - Linguistic Tools and Database Development. The Phonetics Institute of Strasbourg (IPS): partner [60 K€]

- “Cognitique” A French Ministry of Research Grant – “Movement control in speech production and the perceptual efficiency of anticipatory gestures “ACT 1b, 2001-2003. Grant awarded to The Phonetics Institute of Strasbourg (IPS) [250 K€]
- A French Ministry of Research Grant ACI TTT, Measures and Data, 2003 - 2006 “Elaboration of a multimedia platform for the analysis and valorisation of X-ray and MRI data”. Grant awarded to The Phonetics Institute of Strasbourg (IPS) [100 K€ + 3-year PhD studentship].
- MISHA Research Grant “Anticipating in order to elaborate semiotic modalities”, part of the UMS 2552 - Maison Interuniversitaire des Sciences de l'Homme d'Alsace - MISHA section of the Marc Bloch University’s four-year contract, over the period 2005 - 2008. Grant awarded to R. Sock & B. Vaxelaire, Speech and Cognition Team, UR 1339 LiLPa. [6 K€ per year]
- European Grant - INTERREG III-A Upper Rhine Centre-South "Database and archiving network of Upper Rhine cultural project leaders - DANOK" 2005/ 2009. Project leader [700 K€ for 13 partners].
- European Grant “Audio visual SPeech synthesis and Inversion – ASPI”. Project leader: LORIA (Lorraine-based Laboratory for Research in Computer Science and its Applications – Speech Group), 2005 – 201 (subcontracting) [30 K€]
- ANR Grant "Valued X-ya Data for the Study of Coarticulation, Inversion and Evaluation of Physical Models (DOCVACIM)", 2008-2011 (4 partners) [250 K€]
- MISHA Research Grant “Perturbations and readjustments: normal speech vs. disordered speech”, UMS 2552 - Maison Interuniversitaire des Sciences de l'Homme d'Alsace - MISHA section of Marc Bloch University’s four-year contract, over the period 2008 - 2012. Grant awarded to R. Sock & B. Vaxelaire, Speech and Cognition Team UR 1339 LiLPa. [6 K€ per year]
- MISHA Research Grant “Perceiving speech: a sensory-motor affair of audible and visible events”, USR 3227 CNRS / UNISTRA- Maison Interuniversitaire des Sciences de l'Homme d'Alsace - MISHA over the period 2013 - 2016. Contract awarded to R. Sock & B. Vaxelaire, Speech and Cognition Team UR 1339 LiLPa 1339 LiLPa (7 national partners including 2 university hospitals and 2 speech therapists' practices). [6 K€ per year]
- IdEx Grant - University of Strasbourg - Initiative of Excellence Attractivity, IdEx Project "PULP-C" ("Plateforme Unistra de Linguistique et de Phonétique Cliniques"), awarded to Béatrice Vaxelaire, R. Sock as co-leader (2014 - 2016). 100 K€ + 3-year doctoral contract].
- APVV CONTRACT - 15 - 0307, 2016 - 2021 (Anticipatory Phonetic Strategies for Simultaneous and Consecutive Interpreting). [200 K€]
- EUCOR CONTRACT – The European Campus EVTZ Seed Money “DIS-AGREE - Empirical, methodological and theoretical state-of-the-art work on the basic practices of (dis)agreement and (dis)alignment in embodied interaction in face-to-face and mediated interactions”, 2018 - 2021 [35 692, 00 €.]

Granted to:

- 1) Prof. Dr. Stefan Pfänder for the Hermann Paul School of Linguistics (HPSL), Albert-Ludwigs-Universität Freiburg, Romanisches Seminar (Leader).
- 2) Prof. Dr. Heike Behrens, Universität Basel, Departement Sprach- und Literaturwissenschaften, Deutsches Seminar.

- 3) Prof. Greta Komur-Thilloy, University of Haute-Alsace, FLSH.
- 4) Prof. Rudolph Sock, University of Strasbourg, UR 1339 LiLPa.

RESPONSIBILITY FOR RESEARCH GRANTS IN LIAISON WITH INDUSTRY

- University of Strasbourg Research Grant, “Gutenberg-Strasbourg Platform. Phonological and grammatical level: coupling and compilation with application to error processing”, 2009 - 2011, in relation with DIGORA Company, an ORACLE Partner.
- European Contract “Audio visual SPeech synthesis and Inversion - ASPI. Project leader: LORIA (Lorraine Laboratory for Research in Computer Science and its Applications, 2006 - 2009).

SCIENTIFIC ELECTIVE MANDATES AT MARC BLOCH UNIVERSITY (UNTIL 2009) AND AT THE UNIVERSITY OF STRASBOURG (SINCE 2009)

MEMBER

- Scientific Board, Marc Bloch University (1998-2009)
- Bureau of the Scientific Board, Marc Bloch University (1998-2009)
- Recruitment Commissions, Marc Bloch University (1998-2009)
- Bureau of the Scientific Board: The Unique University of Strasbourg (2009)
- Bureau of the Scientific Board, Doctoral School of the Humanities of the University of Strasbourg (since 2013)
- Collegium Fine Arts, Languages and Arts – ALL (since 2013)
- Recruitment Commissions at the University of Strasbourg (since 2009)

ADMINISTRATIVE ELECTIVE MANDATES AT MARC BLOCH UNIVERSITY (UNTIL 2009) AND AT THE UNIVERSITY OF STRASBOURG (SINCE 2009)

MEMBER

- Marc Bloch University Board of Directors, commissions and steering committees of this Board (until 2009)
- Board of the Faculty of Arts - Marc Bloch University (until 2009)
- Board of the Faculty of Arts – University of Strasbourg (2012 - 2018)
- Steering Committee of the Collegium Fine Arts, Languages and ARTS – ALL (since 2013)

SCIENTIFIC ACTIVITIES

OUTREACH

ORGANISATION OF SYMPOSIA, CONFERENCES, WORKSHOPS...

NATIONAL EVENTS

- Transdisciplinary colloquium on "Perception of the World and Perception of Language". Strasbourg, France, 15-17 October 1999.
- XIIIth Linguistics Meeting in the Rhine Region. Cognitive Sciences, Linguistics and Artificial Intelligence (SCOLIA). Strasbourg, Pfaffenheim, France, 6-7 November 2002.
- Transdisciplinary colloquium on "Anticipation ". 19 - 21 November 2003 (within the framework of the ACI Grant "Cognitique " ACT 1b).
- XIVth Linguistics Meeting in the Rhine Region. Cognitive Sciences, Linguistics and Artificial Intelligence (SCOLIA). Strasbourg, France, 6-7 November 2003.
- XVth Linguistics Meeting in the Rhine Region. "Quantity and Quality". Language Sciences Meeting, Strasbourg, France, 5th - 6th November 2004.
- Transdisciplinary colloquium on "Perturbations and Readjustments: languages and language". In collaboration with the Réseau Cognisciences Grand Est Network (COGNIEST), in Haguenau, from 1st to 3rd December 2004.
- Transdisciplinary colloquium "Towards movement...: the Meaning of Movement Production". In collaboration with the Laboratoire de Psychobiologie du Comportement Moteur et des Sports and the Réseau Cognisciences du Grand Est (COGNIEST). Strasbourg, France, 20 May 2005:
- Transdisciplinary colloquium "Back to Anticipation". 23 - 25 November 2006 (within the framework of the MISHA Programme, in collaboration with the Réseau Grand Est des Sciences Cognitives - COGNIEST "Anticipating to elaborate semiotic modalities", 2005 - 2008).
- Transdisciplinary Round Table "Anticipating to elaborate semiotic modalities: A synthesis". 16 November 2007 (within the framework of the MISHA Programme, 2005 - 2008).
- "Marc Bloch Colloquium: The Figure of the Intellectual in Resistance from Antiquity to Present Day". 4 - 6 June 2009 in Strasbourg. University of Strasbourg (foreign participants).
- Meeting (international audience) "From Perception to Comprehension of a Second Language". Strasbourg, 20 November 2009.
- Seminar on Clinical Phonetics. Strasbourg, 10 December 2009.
- Voice and Thyroid Day. Organised by the Linguistics, Languages and Speech Research Unit, Speech and Cognition Team - LiLPa & the Phonetics Institute of Strasbourg – an IdEx - Attractiveness Grant "PULP", Sainte Anne's Clinic of the Saint Vincent Hospital Group & La Maison Interuniversitaire des Sciences de l'Homme Alsace - MISHA. Strasbourg, France, 8 December 2015.

INTERNATIONAL EVENTS

- 9 editions of the Congress "Journées d'Etudes sur la Parole (JEP)" between 1994 and 2012.
- 8th International Seminar on Speech Production 2008 (ISSP '08). 8 - 12 December 2008, in collaboration with the Zentrum für Allgemeine Sprachwissenschaft (ZAS) in Berlin and the Institut National de Recherche en Informatique et en Automatique (INRIA) / Laboratoire Lorrain de Recherche en Informatique et ses Applications (LORIA), in Nancy.

- International meeting “4th Clinical Phonetics Days - JPC4”. 19 - 21 May 2011. Organised by the Speech and Cognition Team of the Linguistics, Languages and Speech Research Unit & The Phonetics Institute of Strasbourg.
- Colloquium "Corpuses and Tools in Linguistics, Languages and Speech: Status, uses and misuses" Organised by the U.R. 1339 Linguistics, Languages and Speech - LiLPa, 3 - 5 July 2013 in collaboration with HPSL - Herman Paul School of Linguistics & Romanisches Seminar, Universitäten Basel und Freiburg, Computational Linguistics and Phonetics, Saarland University, Saarbrücken and the Institut National de Recherche en Informatique et en Automatique (INRIA) / Laboratoire Lorrain de Recherche en Informatique et ses Applications (LORIA), in Nancy.
- International Linguistics colloquium “Perception in Language and in Discourse”. Organised by : the Chair of French Culture and Language of the University of Opole, the Institute of Romance Languages and Translation of the University of Silesia, the Institute of Romance Studies of the University of Warsaw, the Institute of Romance Studies of the University of Wrocław, the Institute of Phonetics of Strasbourg and the Speech and Cognition Research Team of the Linguistics, Languages and Speech Research Unit of the University of Strasbourg, 24 - 26 April 2014 in Warsaw.
- World Congress of French Linguistics 2014 (CMLF - 2014). Organised by the Institute of French Linguistics (CNRS - FR 2393) at the Free University of Berlin (Freie Universität Berlin). Scientific Committee and coordinator of the theme "Phonetics, phonology and interfaces". 19 - 23 July 2014, in Berlin.
- International Colloquium “Consecutivity and Simultaneity in Linguistics, Languages and Speech”, organised by the Linguistics, Languages and Speech Research Unit (LiLPa, UR 1339, University of Strasbourg), the Institute of Advanced Studies of the University of Strasbourg, (USIAS, Chair "Language Sciences") and the Faculty of Arts of Pavol Jozef Šafárik University (UPJŠ, Košice (Slovakia), 1 - 3 July 2015, in Strasbourg.
- “Anticipation in Consecutive and Simultaneous Cognitive Tasks: an International Transdisciplinary Conference”, organised by Language, Information and Communication Laboratory (LICOlab), APVV - Slovakia, Department of British and American Studies, Slovak Association for the Study of English (SKASE), The Faculty of Arts, Pavol Jozef Šafárik University (UPJŠ), Košice (Slovakia), Linguistics, Languages and Speech Research Unit 1339 (LiLPa) University of Strasbourg (France), The Chair of French Culture and Language, University of Opole (Poland), 20 – 22 June 2019 in Košice (Slovakia)
- “*PerceptiO*: Perception and the Living”, organised by the Linguistics, Languages and Speech Research Unit 1339 LiLPa – University of Strasbourg, the USIAS Chair of Language Sciences (University of Strasbourg, Institute for Advanced Study), LICOlab – Language, Information and Communication Laboratory and Department of British and American Studies of the Faculty of Arts of Pavol Jozef Šafárik University in Košice (Slovakia), the Institute for Research in European Languages and Literatures Research Unit 4363 ILLE - University of Haute-Alsace, the Institute for Research in Language Sciences and Technologies – IRSTL of the University of Mons (Belgium), First People’s Hospital in Chengdu, First People’s Hospital in Zigong and Binzhou Medical University (China), the Modern & Classical Languages, Literatures & Cultures Department at the University of Kentucky (United States of America), Chair of French

Language of the University of Opole (Poland), Assane Seck University of Ziguinchor (Senegal) and the Department of Romance Studies of Matej Bel University of Banská Bystrica. An Excellence Initiative (IdEx) Transdisciplinary Symposium, 17-20 November 2021, in Strasbourg.

RESEARCH PARTNERS

INTERNATIONAL SCIENTIFIC COLLABORATIONS (WITH INTERNATIONAL MOBILITY)

- Institut für Phonetik und Sprachliche Kommunikation der Universität München (kinematic data acquisition, with Phil Hoole)
- Haskins Laboratories, Yale Affiliate, New Haven, Connecticut, USA (collection of articulatory, kinematic and electro-magnetic data, and publications with Anders Löfqvist)
- Datenbank- und Archivierungsnetzwerk Oberrheinischer Kulturträger - DANOK INTERREG III - A, Upper Rhine Centre-South " Database and archiving network of Upper Rhine cultural project promoters. International partners : Institut für Physikalische Messtechnik IPM - Fraunhofer, Freiburg-in-Breisgau; Deutsches Volksliedarchiv Freiburg; Schweizerisches Volksliedarchiv in Zurich; Phonogrammarchiv of the University of Zurich ; Katholische Akademie Freiburg; Erzbischöfliches Archiv Freiburg; Radio Verte Fessenheim; Archiv für Soziale Bewegungen; Schweizer Radio DRS Basel; The Imaging & Media Lab of the University of Basel
- Max Planck Institute for Human Cognitive and Brain Sciences: acquisition and exploitation of Optotrak data in babies for the doctoral thesis of Mélanie Canault, Associate Professor, in collaboration with Dr. Rafael Laboissière (PhD)
- Zentrum für Allgemeine Sprachwissenschaft (ZAS) in Berlin, within the framework of the DGF research project "SPRECHART: SPRECHerspezifische ARTikulation als Adaptation an individuelle Vokaltraktgeometrien", Research axis: "Study of the effects of the shape of the vocal tract on biomechanics and articulatory precision, with Dr. Susanne Fuchs (PhD)
- Humboldt-Universität zu Berlin, Department of Romance Languages. Research focus: "Production and perception in the linguistic sciences", with Prof. Aria Adli
- Language, Information and Communication Laboratory – LICoLab, Pavol Jozef Šafárik University (UPJŠ), Košice (Slovakia), ERASMUS+.

NATIONAL SCIENTIFIC COLLABORATIONS (WITH NATIONAL MOBILITY)

- GIPSA-lab Grenoble, Speech and Cognition Department (Speech Communication Institute) UMR CNRS 5009, within the framework of the ANR DOCVACIM and MISHA grants - Perturbations and readjustments: normal speech vs. pathological speech, 2008 - 2012 / 2013 - 2017, with Prof. Pascal Perrier.
- Laboratoire Lorrain de Recherche en Informatique et ses Applications (LORIA), in Nancy – Speech Group), within the framework of a European grant between the CNRS (National Centre for Scientific Research) and the European Commission n° 2005-021324, entitled "Audiovisual to Articulatory Speech Inversion"- ASPI, and the ANR DOCVACIM, with Dr. Y. Laprie (PhD – Research Director)

- Ecole Nationale Supérieure des Télécommunications, ParisTech. Analysis of X-ray, kinematic and acoustic data and study of anticipatory phenomena in speech, within the framework of a European contract between the CNRS and the European Commission n° 2005-021324, entitled “Audiovisual to Articulatory Speech Inversion” - ASPI, with Dr Shinji Maeda (PhD – Research Director)
- University Hospitals in Strasbourg (CHU - Hautepierre) and Grenoble (CHU - Grenoble), within the framework of a research grant from MISHA, entitled “Perturbations and readjustments: normal vs. pathological speech. Data collection from subjects with cleft lips and palate, and oral cancers.
- Georges Pompidou European Hospital (Paris), Film production and collection of nasofibrosopic data from subjects who stutter, with Dr Monfrais-Pfauwadel (Phoniatrician) and Fabrice Hirsch, Associate Professor.
- Cognitive Neuroscience and Imaging Laboratory UMR 7191, CNRS-University of Strasbourg, within the framework of the collection and analysis of fMRI and EGG data (for the doctoral thesis of Cyril Dubois), with Dr. Marie-Noëlle Metz-Lutz. Research collaboration agreement n° 05/901/737
- Paul Strauss Centre. Centre for Combating Cancer in Strasbourg, as part of the collection and analysis of data on paresis and recurrent paralysis (for the doctoral thesis of Camille Fauth, Associate Professor and Noé Xiu, Postdoctoral Researcher)
- Department of Surgery of the Thyroid and Parathyroid of Sainte Anne’s Clinic of the Saint Vincent Hospital Group for the collection of acoustic and articulatory data: IdEx Attractivity Project "PULP-C - Unistra Platform of Clinical Linguistics and Phonetics", led by Prof. B. Vaxelaire, 2014 - 2016.

INVITED LECTURES, TALKS AND KEYNOTES

- Course for the Training of Speech and Language Therapists, University of Neuchâtel, Switzerland, May 1985
- Haskins Laboratories, New Haven, Connecticut, U.S.A. Movement control in speech production. February 1992
- Edinburgh, Scotland. Two invited lectures on "The kinematics of speech". Department of Linguistics, University of Edinburgh (organisers: Turk & Ladd); Department of Speech and Language Sciences, Queen Margaret College (organisers: W. J. Hardcastle & F. Gibbon). February 1996
- Paris, France, 5 June 2004, “The perceptual efficiencies of audible and visible anticipatory gestures”. René Descartes University, Paris 5, LEAPLE, UMR 8606
- Nancy, France, 6 May 2004, “Movement control and timing of quantity contrasts”. Lorraine-based Laboratory for Research in Computer Science and its Applications – Speech Group (LORIA)
- Zurich, Switzerland, 23 November 2004, "Spatiotemporal control in speech production and perception". Phonetisches Laboratorium der Universität Zürich
- Maison Interuniversitaire des Sciences de l'Homme d'Alsace, Strasbourg, « Les Mardis de la MISHA », “Anticipating to elaborate semiotic modalities », 28 November 2006
- University of Sousse, Tunisia (Ministry of Foreign Affairs), “Models of anticipation in speech production and perception”, April 4, 2007

- University of Sousse, Tunisia (Ministry of Foreign Affairs), “Vocalic and consonantal quantities”, April 5, 2007
- University of Kairouan, Tunisia (Ministry of Foreign Affairs), “Spatiotemporal control in speech”, 6th April 2007
- University Paris 3, Sorbonne Nouvelle. Satellite Workshop of the Acoustical Society of America (ASA). Speech Production Workshop: instrumentation-based approach. “From analogue movies to digital cinematography. A speech production database”, 5 July 2008
- University of Zurich, Switzerland, “The Anticipatory Perception based on Events (*APE*) hypothesis”, Congress of the Associazione Italiana di Scienze della Voce, Zurich, 4 February 2009
- University of Mons, Belgium. Colloquium to launch the ARC Parolpathos project at the University of Mons, Belgium, “Speech, language, communication: what assessments for the speaking subject confronted with pathology?” Invited conference, 27 - 28 February 2013
- Collège Belgique, Académie Royale des Sciences, des Lettres et des Beaux-Arts de Belgique. The "voice": mirror of the soul, distorting mirror or lark mirror? "Voice, speech and vocal quality: the normal and the pathological", May 13, 2015
- Université Paul Valéry, Montpellier 3, 6e Journées de Phonétique Clinique - JPC6. "La parole : une histoire de catégories sensori-motrices viables " [Speech as viable sensory-motor categories] June 29 - July 1, 2015
- Binzhou Medical University, School of International Studies & School of Special Education, Yantai City (China) “History and development of Clinical Phonetics and Linguistics in France and in Europe”, 12 – 13 October 2017.
- Beijing Language and Culture University, School of Communication Science (Chine) “Perturbations in Speech: viable motor-sensory linguistic categories”, 18 October 2017
- University of Opole, Poland, « La parole : des gestes et des sons viables ? », La Perception en langue et en discours (3e éd.), Colloque international de Sciences du langage 26-28 April 2018
- Zigong First Civil Hospital, “Perturbation of spatiotemporal control in speech: normal vs. disordered speech” le 14 October 2018
- University of Electronic Science and Technology of China, Chengdu, “Speech perception and motor theories” (in coll. with Noé Xiu and B. Vaxelaire), le 20 October 2018
- National Language Commission - PRC - UNESCO & Beijing Municipal Language Commission, 2nd China International Language and Culture Expo: Forum on Language Service and Human Life (Chine) “ Speech as viable motor-sensory relations”, 25-28 October 2018
- Xi'an Jiaotong University - Stomatology Hospital (China): Aerodynamic research on cleft lip and cleft palate. 20 October 2019 (co-author)
- Zi'gong 1st Civil Hospital (China): Voice Spectrum and EEG analyses for Alzheimer prediction. 23 October 2019

INVITATION: FOREIGN UNIVERSITIES

- University of Sousse, Tunisia (Ministry of Foreign Affairs), 10 days in April 2007. Purpose: Establishment of a research network; advice on the creation and equipment of an experimental phonetics laboratory
- Institut für Physikalische Messtechnik IPM - Fraunhofer, Freiburg-in-Breisgau, Germany. Regular invitations between 2006 and 2009. Purpose: creation of the network for saving and archiving rare data. Datenbank- und Archivierungsnetzwerk oberrheinischer Kulturträger - DANOK INTERREG III – A
- The Imaging & Media Lab at the University of Basel, Switzerland. Regular invitations between 2006 and 2009. Purpose: creation of the network for the backup and archiving of rare data. Datenbank- und Archivierungsnetzwerk oberrheinischer Kulturträger - DANOK INTERREG III – A
- Zentrum für Allgemeine Sprachwissenschaft (ZAS) at Humboldt-Universität zu Berlin, Germany. Three days in May 2008. Purpose: Development of the research project "SPRECHART: SPRECHerspezifische ARTikulation als Adaptation an individuelle Vokaltraktgeometrien", Research focus: "Study of the effects of the shape of the vocal tract on biomechanics and articulatory precision", 2009 – 2011
- BINZHOU MEDICAL UNIVERSITY, *School of International Studies & School of Special Education*, Yantai City (China), in September 2017 (15 days)
- BEIJING LANGUAGE AND CULTURE UNIVERSITY, *School of Communication Science* (China), in October 2017 (7 days)
- ZIGONG FIRST CIVIL HOSPITAL, in October 2017 (15 days)
- UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA, Chengdu, in October 2018 (2 days)

EXPERTISES

INTERNATIONAL

CANADA

- Evaluation of "Standard Research Grants Programs", Social Sciences and Humanities Research Council of Canada (SSHRC), 2006 and 2009
- Evaluation of "Discovery Grants", Natural Sciences and Engineering Research Council of Canada (NSERC), 2006 and 2011

BELGIUM

- Evaluation ARC Research Project, 2011
- Member of the Strategic Orientation Committee (COS) of the Institute of Research in Language Sciences and Technologies (IRSTL) of the University of Mons (UMONS), 2011
- Scientific Research Fund (FNRS), Bruxelles, Belgium

FRANCE / GERMANY

- ANR-DFG - Franco-German Funding in Humanities and Social Sciences, International Programmes at the ANR, since 2009

REVIEWER OF INTERNATIONAL JOURNALS

- Journal of Phonetics
- Journal of the Acoustical Society of America (JASA)
- Laboratory Phonology
- Speech Communication
- Motor Control
- Journal of Speech Language and Hearing Research
- Journal of the International Phonetic Association – JIPA
- Journal of Clinical Linguistics and Phonetics
- Lingvisticae-Investigations
- Peter Lang - Collection Sprache, Mehrsprachigkeit und sozialer Wandel/Langue, multilinguisme et changement social/Language, multilingualism and social change

PUBLICATIONS

BOOK

SOCK R. (1999) Organisation temporelle en production de la parole. Emergence de catégories sensori-motrices phonétiques. Presses Universitaires du Septentrion. Villeneuve d'Ascq. 479 p.

INTERNATIONAL PEER-REVIEWED ARTICLES

SOCK R. OLLILA L. DELATTRE C. ZILLIOX C. ZOHAIR H. (1988) Patrons de Phases dans le Cycle Acoustique de Détente en Français. Journal d'Acoustique 1, 339-345.

ABRY C. ORLIAGUET J.P. SOCK R. (1990) Patterns of Speech Phasing. Their Robustness in the Production of a Timed Linguistic Task : Single vs. Double (Abutted) Consonants in French. European Bulletin of Cognitive Psychology 10, 269-288.

PERRIER P. BOË L.J. SOCK R. (1992) Vocal Tract Area Function Estimation from Midsagittal Dimensions with CT Scans and a Vocal Tract Cast: Modelling the Transition with Two Sets of Coefficients. J. Speech Hearing Res. 35, 53-67.

SOCK R. LÖFQVIST A. (1995) Some Timing Constraints in the Production of Bilabial Stops. Journal of Phonetics 23, 129-138.

KLEIBER G. SOCK R. (2006) Ce + N +Relative : Sémantique et Prosodie. Lingvisticae Investigationes 29: 2, John Benjamins Publishing Company, 251-273.

HIRSCH F. MONFRAIS-PFAUWADEL M.-C. SOCK R. VAXELAIRE B. (2009) Etude de la structure formantique des voyelles dans la parole bégue en vitesses d'élocution normale et rapide. Revue de Laryngologie, Otologie, rhinologie, numéro spécial de Phono-Audiologie, 17-22.

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CONFERENCES, CONGRESSES AND SYMPOSIA

Utrecht, The Netherlands, August 1983:

10th International Congress of Phonetic Sciences.

Paris, France, July 1985:

14^{èmes} Journées d'Étude sur la Parole.

Neuchâtel, Switzerland, May 1985:

Invited talk.

Aix-en-Provence, France, May 1986 :

15^{èmes} Journées d'Étude sur la Parole.

Oxford, U.K., July 1987:

Phonetics Institute of Oxford.

Tallinn, Estonia-URSS, August 1987:

11th International Congress of Phonetic Sciences.

Hammamet, Tunisie, September 1987:

16^{èmes} Journées d'Étude sur la Parole.

Dijon, France, January 1988:

Colloque de la Société Française de Psychologie.

Brighton, U.K., July 1988:

2nd Franco-British Meeting on Speech.

Nancy, France, September 1988:

17^{èmes} Journées d'Étude sur la Parole.

Seattle, Washington U.S.A. 1988:

115th Meeting of the Acoustical Society of America.

Marseille Luminy, France, June 1989:

Séminaire Variabilité et Spécificité du Locuteur : Études et Applications.

Edinburgh, UK, 1989:

7th FASE SPEECH.

Chichilianne, France, March 1990:

1^{er} Workshop Régional de Sciences Cognitives, Laboratoire de Sciences Cognitives (LASCO)

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Lyon, France, April 1990:

1^{er} Congrès Français d'Acoustique — Colloque de Physique.

Montréal, Canada, May 1990:

18^{èmes} Journées d'Étude sur la Parole.

Aix-en-Provence, France, August 1991:

12th International Congress of Phonetic Sciences.

New Haven, U.S.A., February 1992:

Haskins Laboratories Seminar, invited talk.

New Orleans, U.S.A., October 1992:

124th Meeting of the Acoustical Society of America.

Munich, Germany, April 1993:

ACCOR Workshop on Electromagnetic Articulography in Phonetic Research.

Old Saybrook, U.S.A., May 1993:

3rd International seminar "Speech Production: Models and Data".

Ottawa, Canada, May 1993:

125th Meeting of the Acoustical Society of America.

Paris, France, May 1993:

Round Table Fondation Fyssen "Statut des Représentations Mentales".
Invitation.

Berlin, RFA, September 1993:

3rd European Conference on Speech Communication and Technology.

Swaziland, South Africa, July 18-22, 1994:

Ist World Congress of African Linguistics. University of the Witwatersrand. University of Swaziland. Abstract.

New Haven, U.S.A., August 1994:

European Speech Maps Project: Movement data acquisition at Haskins Labs..

Strasbourg, France, October 1994:

Colloque sur "Le Contexte : Des Sons à l'Interprétation". PROPARAN ERS 125. Université des Sciences Humaines de Strasbourg.

Stockholm, Sweden August 13-19, 1995:

XIIIth Int. Congr. of Phonetic Sciences.

Madrid, Spain, September 18-21, 1995:

4th European Conference on Speech Communication and Technology.

Strasbourg, Pfaffenheim, France, 5-7 November 1995:

Colloque des 7èmes Rencontres Linguistiques en Pays Rhénans. Sciences Cognitives, Linguistique et Intelligence Artificielle (SCOLIA).

Edimbourg, Ecosse, February 1996:

Two invited talks on: "Movement control in speech production". Department of Linguistics, University of Edinburgh. Department of Speech and Language Sciences, Queen Margaret College.

Autrans-France, May 20-24, 1996:

First European Speech Communication Association (ESCA) Tutorial and Research Workshop;

Strasbourg, Pfaffenheim, France, 7-10 November 1996:

Colloque des 8èmes Rencontres Linguistiques en Pays Rhénans. Sciences Cognitives, Linguistique et Intelligence Artificielle (SCOLIA).

Marseille, France, June 16-18, 1997:

European Speech Communication Association (ESCA) et Groupe Francophone de la Communication Parlée de la Société Française d'Acoustique (GFCP-SFA). Tutorial and Research Workshop, Centre Hospitalier Universitaire "La Timone".

Rhodes, Greece, September 22-25, 1997:

5th European Conference on Speech Communication and Technology.

Strasbourg, Pfaffenheim, France, 6-9 November 1997:

Colloque des 9èmes Rencontres Linguistiques en Pays Rhénans. Sciences Cognitives, Linguistique et Intelligence Artificielle (SCOLIA).

Strasbourg, Pfaffenheim, France, 6-9 November 1998:

Colloque des 10èmes Rencontres Linguistiques en Pays Rhénans. Sciences Cognitives, Linguistique et Intelligence Artificielle (SCOLIA).

Besançon, France, 9-11 December 1998:

Orage '98- Oralité et Gestualité: Communication Multimodale. Congrès International.

Munich, Germany, 14-25 June 1999:

TS -Teaching Staff Mobility – Socrates, Phonetics and Communications Institute of Munich (lectures and invited talk).

San Francisco, USA, 1-7 August 1999:

14th International Congress of Phonetic Sciences (ICPhS).

Budapest, Hungary, 5-10 September 1999:
6th European Conference on Speech Communication and Technology.

Strasbourg, France, 15-17 October 1999:
Colloquim: Perception du Monde et Perception du Langage. Book: Percevoir : monde et langage. In Keller, Durafour, Bonnot et Sock (Eds.), Mardaga, Liège.

Strasbourg, Pfaffenheim, France, 5-7 November 1999:
Colloque des 11èmes Rencontres Linguistiques en Pays Rhénans. Sciences Cognitives, Linguistique et Intelligence Artificielle (SCOLIA). Participation.

Kloster Seeon, Germany, 1-4 May 2000
5th Seminar on Speech Production: Models and Data. Crest Workshop on Models of Speech Production: Motor Planning and Articulatory Modelling.

Munich, Germany, 5-15 June 2000:
TS -Teaching Staff Mobility – Socrates, Phonetics and Speech Communication Institute of Munich.

Aussois, France, 19-23 June 2000:
XXIIIèmes Journées d'Etude sur la Parole.

Beijing, China, 16-20 October 2000:
6th International Conference on Spoken Language Processing (co-author).

Strasbourg, Pfaffenheim, France, 3-5 November 2000:
Colloque des 12èmes Rencontres Linguistiques en Pays Rhénans. Sciences Cognitives, Linguistique et Intelligence Artificielle (SCOLIA).

Strasbourg, France, 17 March 2001:
Séminaire d'initiation à la recherche. Sciences Cognitives, Linguistique et Intelligence Artificielle (SCOLIA).

Aix-en-Provence, France, 18-22 June 2001:
Orage 2001- Oralité et Gestualité : Communication Multimodale. Congrès International.

Nancy, France, 24-27 June 2002:
XXIVème Journées d'Études sur la Parole, Association Francophone de la Communication Parlée (AFCP).

Denver, Colorado, USA, 16 – 20 September 2002:
7th International Conference on Spoken Language Processing (ICSLP).

Strasbourg, Pfaffenheim, France, 6-7 November 2002:
Colloque des 13èmes Rencontres Linguistiques en Pays Rhénans. Sciences Cognitives, Linguistique et Intelligence Artificielle (SCOLIA).

Paris, France, 6 – 7 December 2002:
Colloque « Cognitique », Action Concertée Incitative. Participation.

Barcelona, Spain, 3 – 9 August 2003:
15th International Congress of Phonetic Sciences.

Strasbourg, France, 6 – 8 November 2003:
Colloque sur la Partition en Langue et en Discours. Communication et publication.

Strasbourg, France, 6-7 November 2003:
Colloque des 14èmes Rencontres Linguistiques en Pays Rhénans. Sciences Cognitives,
Linguistique et Intelligence Artificielle (SCOLIA).

Strasbourg, France, 19 – 21 November 2003:
Transdisciplinary colloquium on “Anticipation”.

Sydney, Australia, 7 – 10 December 2003:
6th International Seminar on Speech Production.

Strasbourg, France, 4-5 November 2004:
Colloque des 15èmes Rencontres Linguistiques en Pays Rhénans. Sciences Cognitives,
Linguistique et Intelligence Artificielle (SCOLIA).

Haguenau, France, 1 – 3 December 2004:
Colloque sur « Perturbations et réajustements : langue et langage ». Organisation,
communication, et publication en cours.

Strasbourg, France, 20 May 2005:
Colloquium « Vers le mouvement... : le sens de la production du mouvement ».

Liverpool, Great Britain, 14 - 18 September 2005:
24ème Colloque sur le « Grammaire & Lexiques comparés ».

Strasbourg, France, 17 - 18 November 2005:
Colloque des 15èmes Rencontres Linguistiques en Pays Rhénans. Sciences Cognitives,
Linguistique et Intelligence Artificielle (SCOLIA).

Strasbourg, France, 19 – 21 October 2006:
Colloquium des 16èmes Rencontres Linguistiques en Pays Rhénan. Sciences Cognitives,
Linguistique et Intelligence Artificielle (SCOLIA).

Haguenau, France, 23 – 25 November 2006:
Colloque « Retour sur l’anticipation ».

Autrans, France, 16 – 21 September 2007:
Journées d’Eté « Brain and Speech ».

Grenoble, France, 13 – 14 December 2007:
Colloque « 2èmes Journées de Phonétique Clinique – JPC2 ».

Anvers, Belgium, 18 – 19 April 2008:
« European Symposium on Fluency Disorders » (co-author).

Autrans, France, 16-21 September 2007:
Summerschool: Cognitive and physical models of speech production, perception and perception-production interaction. Part II: Brain and Speech.

Avignon, France, 9 -13 June 2008 : XVIIIèmes Journées d'Etudes sur la Parole (JEP).

Porquerolles, France, 29 September - 4 October 2008: École d'été. L'imagerie médicale pour l'étude de la parole.

Paris, France, 14 October 2008:
Congrès de la Société Française de Phoniatrie.

Grenoble, France, 27-29 October 2008: Speech and Face-to-Face Communication. A workshop/Summer school dedicated to the memory of †Christian Benoît.

Strasbourg, France, 8-12 December 2008:
8th International Seminar on Speech Production (ISSP '08).

Zurich, Suisse, 4 – 6 February 2009:
Congrès de l'Associazione Italiana di Scienze della Voce.

Strasbourg, France, 20 November 2009:
Journées d'Étude « From perception to comprehension of a second language ».

Aix-en-Provence, France 4 – 5 December 2009:
Colloque « 3èmes Journées de Phonétique Clinique – JPC2 ».

Strasbourg, France, 10 December 2009:
Séminaire d'Ouverture à la Phonétique Clinique.

Mons, Belgium, 25-28 May 2010:
Journées d'Etudes sur la Parole.

Berlin, Germany, 27 September au 1^{er} October 2010:
French – German Summer School on Cognitive and Physical Models of Speech Production, Speech Perception and Production-Perception Interaction.

Montréal, Québec – Canada, 20 – 23 June 2011: 9th International Seminar on Speech Production.

Hong Kong, China, 17-21 August 2011: International Congress on Phonetics Sciences.

Grenoble, France, 4 au 8 June 2012:
Journées d'Etude sur la Parole (JEP 2012).

Cork, Ireland, 27 au 30 June 2012:
14th International Clinical Phonetics and Linguistics Association (ICPLA),

Tours, France, 2 au 5 July 2012:
7th World Congress on Fluency Disorders, International Fluency Association (co-author).

Portland, Oregon, U.S.A., 9 au 13 September 2012:
Interspeech 2012. 13th Annual Conference of the International Speech Communication Association.

Mons, Belgium, 27 - 28 February 2013:
Colloque lancement du projet ARC Parolpathos à l'Université de Mons « Parole, langage, communication: quelles évaluations pour le sujet communicant confronté à la pathologie ? ». Invited talk.

Cologne, Germany, 5 au 8 May 2014: International Seminar on Speech Production, ISSP (co-author).

Berlin, Germany, 19 au 23 July 2014 : Congrès Mondial de Linguistique Française (CMLF).

Glasgow, Scotland, 10 au 14 August 2015: 18th International Congress of Phonetic Sciences. Glasgow, UK: the University of Glasgow.

Algiers, Algeria, 18 - 19 October 2015: 1st International Conference on Natural Language and Speech Processing – ICNLSP.

Strasbourg, France, 8 December 2015: Journée Voix et thyroïde. Organisée par l'Equipe de Recherche Parole et Cognition de l'E.A. 1339 Linguistique, Langues et Parole – LiLPa – IDEX – Attractivité « PULP », La Clinique Sainte Anne du Groupement Hospitalier Saint Vincent & La Maison Interuniversitaire des Sciences de l'Homme Alsace – MISHA.

Halifax, Canada, 15 au 18 June 2016: 16th International Clinical Phonetics and Linguistics Association, ICPLA (co-author).

Paris, France, 4 au 8 juillet 2016 : Journées d'Etudes sur la Parole, JEP.

Tianjin, China, 18 – 20 October 2016: International Seminar on Chinese Spoken Language Processing, ISCSLP 2016 (co-author).

Shanghai, China, 27 October – 1 November 2016: China International Conference on Contemporary Linguistics (in coll. with Dr. Noé Xiu, PhD).

Tianjin, China, 16 au 19 octobre 2017 : International Seminar on Speech Production (ISSP).

Opole, Poland, 26-28 avril 2018 : *La Perception en langue et en discours - PLD (3^e éd.)*, Colloque international de Sciences du langage.

Algiers, Algerai, 25-26 avril, 2018 : 2nd International Conference on Natural Language and Speech Processing – CNLSP. Communication par co-auteur.

Aix-en-Provence, France 4 au 8 juin 2018 : Journées d'Etudes sur la Parole, JEP. Communications et publications.

• **Halifax**, Canada, 15 au 18 juin 2016 : 16th International *Clinical Phonetics and Linguistics Association* (ICPLA). Communication et publication (A).

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PHD SUPERVISION

Accomplished

• HECKER Véronique : La perception de l'anticipation des gestes vocaliques et consonantiques en français (defended in 2002).

• ROY Johanna-Pascale 2002 : Etude de la perception visuelle des gestes anticipatoires d'arrondissement par les sourds et les malentendants (defended in 2004).

• LADJEVARDI-FATEMI RAHBARI Soudabeh 2000 : Organisation temporelle des occlusives du persan de Téhéran (defended in 2006).

• CANAULT Mélanie 2003 : L'acquisition de la production de la parole : approche sensori-motrice (defended in 2007). Prix de thèse : Société des Amis des Universités de l'Académie de Strasbourg (2008).

• HIRSCH Fabrice 2003 : Bégaiement et perturbation de l'organisation spatio-temporelle de la parole. Une étude articulatoire et perceptive (defended in 2007).

• DUBOIS Cyril : « Étude anatomo-fonctionnelle de la perception audiovisuelle de syllabes francophones en Imagerie par Résonance Magnétique fonctionnelle couplée simultanément avec l'Électro-encéphalographie » (defended in 2009).

• BECHET Marion : « Perturbation de la production des occlusives chez des locuteurs présentant une division palatine ou labio-palatine » (defended in 2011). Bourse de Recherche de la Région Alsace de 09/2006 à 08/2008.

• BENAMRANE Amel : « Etude acoustique des fricatives de l'arabe standard : locuteurs algériens » (defended in 2013).

• DE SOUZA Anthony : « Stratégies d'apprentissage/auto-apprentissage du FLE/FLS à travers des outils multimédia. Quelles approches pédagogiques pour développer l'autonomie des

étudiants en compréhension écrite dans les universités du Ghana ? » Thèse en co-tutelle avec le Pr D. Kuupole du Department of French, University of Cape Coast, Ghana (defended in 2013).

- BOUAROUREOU Fayssal : « Etude de la gémination en tarifit : données articulatoires et acoustiques, et considérations phonologiques ». Co-direction avec R. Ridouane de Paris III et CNRS (defended in 2014).
- STEIBLÉ Lucie : « Le contrôle temporel des consonnes occlusives de l'alsacien et du français parlé en Alsace » (defended in 2014).
- DERBAL Naïma : « L'impact de variabilité articulatoire sur la perception auditive et l'acquisition de la production verbale chez des enfants présentant une dyslexie phonologique de CE1 » (defended in 2014).
- JAURIBERRY Thomas: Rhoticity in Ayr. Co-direction avec A. Hamm du Département d'Anglais de l'Unistra (encadrement à 50% / defended in 2016).
- ZHANG Xuelu : « Les tons lexicaux du chinois mandarin en voix modale et en voix chuchotée » (defended in 2017).
- ANDRY Soucila : « L'Emergence de la parole chez des enfants paralysés cérébraux et pathologies associées » (defended in 2017).

HABILITATION

Accomplished

- PILLOT-LOISEAU Claire : « Productions atypiques dans la voix, la parole et les langues : de la phonétique à la rééducation et l'apprentissage ». (defended in 2020).

UPCOMING DOCTORAL DISSERTATION DEFENCES

- GACI Nadjia : La perception et la production des voyelles de l'allemand chez des apprenants kabylophones.
- FALL Yaye Seynabou : Etude contrastive de locuteurs francophones et wolofphones bègues.
- KOYA Tomoki : La gémination en japonais : études articulatoire, acoustique et perceptive.
- BOSSO Christiane : La langue française confrontée à l'évolution socio-ethno-psycholinguistique et culturelle en Côte d'Ivoire (joint supervision with Prof. L. Kashema).

- WANG Xiaoling : « Une exploration pathologique de troubles spécifiques du langage (TSDL) pour une évaluation et une prise en charge chez des enfants : lien entre déviants linguistiques et non-linguistiques » (within the framework of a cooperation agreement between Binzhou Medical University and the University of Strasbourg – joint supervision with Prof. C. Paulin).
- MIKLOSSIOVÁ Karin: “Probing into the pause as a preferential domain for speech planning and perception” (Faculty of Arts, Pavol Jozef Safarik University in Kosice, Slovakia & APVV Grant - 15 – 0307, 2016 – 2021: *Anticipatory Phonetic Strategies for Simultaneous and Consecutive Interpreting*), *Language Information and Communication Laboratory – LICOLAB*, Slovakia.
- KUKUČKOVÁ Katarína: “Prosodic anticipatory phenomena within rhythmic groups, chunks and syllables.” (Faculty of Arts, Pavol Jozef Safarik University in Kosice, Slovakia & APVV Grant - 15 – 0307, 2016 – 2021: *Anticipatory Phonetic Strategies for Simultaneous and Consecutive Interpreting*), *Language Information and Communication Laboratory – LICOLAB*, Slovakia.