Chapiter UFFC France – Afterworks UFFC-JS 2024

Lori BRIDAL, Omar ELMAZRIA

IEEE UFFC France Chapter

25 Septembre 2024, IUS, Taipei, Taiwan

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IEEE
Advancing Technology for Humanity

Chapitre IEEE UFFC France

Serge DOS SANTOS

Vice-Président Section IEEE France – Activités Techniques des Membres

Promoter of the petition for creating UFFC France Chapter, March 2024

Chair of IEEE UFFC France Chapter

ieee.org

Membres fondateurs

Ausrine Bartasyte,	Professeure à l'Université de Franche Comté
Ayache Bouakaz,	Directeur de Recherche Inserm
Lori Bridal,	Directrice de Recherche CNRS
Laurent Couteleau,	Docteur-Ingénieur ENSMM, Entreprise Rakon
Serge Dos Santos,	Enseignant-Chercheur à l'INSA Centre Val de Loire
Nicolas Felix,	Docteur-Ingénieur ENSMM, Entreprise Vermon
Emilie Franceschini,	Directrice de Recherche au LMA
Cyril Lafon,	Directeur de Recherche Inserm, Directeur du Labtau
François Varray,	Enseignant-Chercheur Creatis Inserm-CNRS
Bertrand Vilquin,	Professeur à Centrale Lyon

Kickoff meeting,
2 mai 2024

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Forte communauté UFFC en France

Abstract Submission Stats

Top 10 countries:

China 400	Korea 96
USA 358	Taiwan 85
Japan 180	Germany 83
France 109(+4)	Canada 81
UK 99	Netherlands 68

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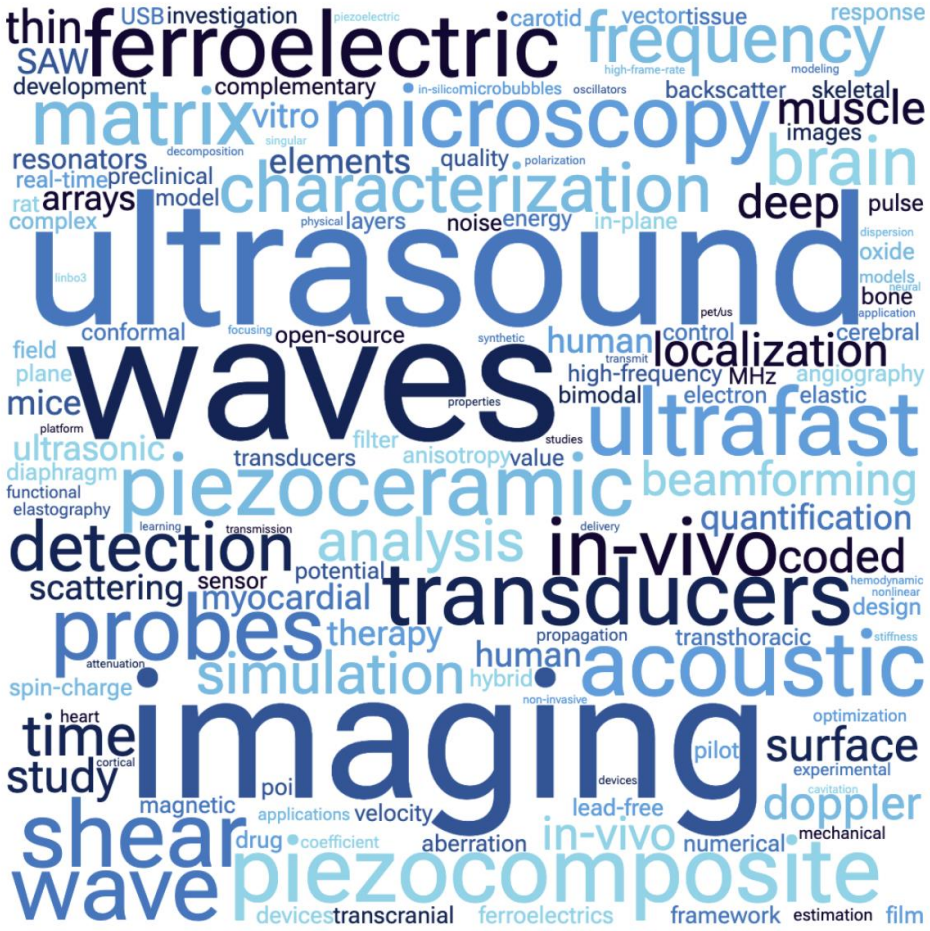
Forte communauté UFFC en France

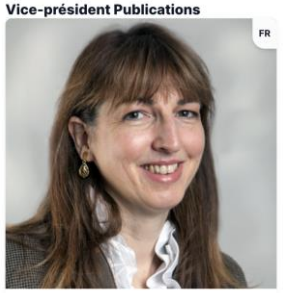
IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society

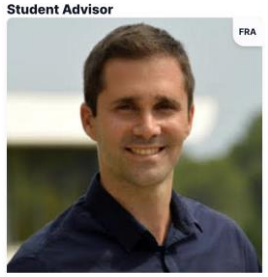
De Paris à Taipei : L'excellence française brille au Symposium IEEE UFFC 2024

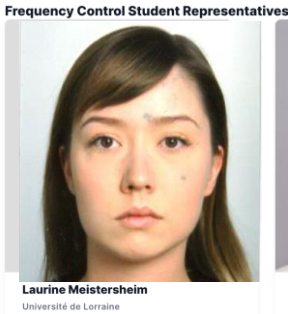


Forte communauté UFFC en France

UFFC AdCom Members







ISAF TPC members

Brahim Dkhil, *CentraleSupélec, Paris-Saclay University*

IFC TPC members

Michel Abrgall, *Paris Observatory, Paris Sciences et Lettres University (PSL)*

IUS TPC members

Co-chair : ***Adrian Basarab,*** *Univ. Lyon*
Ayache Bouakaz*, INSERM*
Lori Bridal, *CNRS at Sorbonne University*
Olivie Couture, *CNRS at Sorbonne University*
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G1

Ausrine Bartasyte, *Univ.of Franche-Comté*
Omar Elmazria, *Université de Lorraine*
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G4

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Forte communauté UFFC en France

Select OU of your Volunteer Role
France Section Chapter,UFFC20

Region
(Tout)

Section
France Section

Count by Region and Grade

Region	Council	Section	Grade Category	Grade	Total
R8	Region 8 - No Council	France Section	IEEE Grades	Associate Member	3
				Graduate Student Member	3
				Life Fellow	2
				Life Member	2
				Life Senior	1
				Member	50
				Senior Member	12
				Student Member	2
				Total	75
			Other Grades	Affiliate	1
				Total	1
			Total		76
		Total			76

Effectif 6 février 2024 :
- 59 membres IEEE UFFC

Effectif 2 mai 2024 :
- 68 membres IEEE UFFC
- 2 membres étudiant UFFC

Effectif 6 sept 2024 :
- 76 membres IEEE UFFC
- 5 membres étudiant UFFC

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2024 Chapter events

- Kick-off Meeting, 2 mai (Tours)
- RITS Session sur UFFC, 6 juin (Aubière)
- Workshop Microfluidics & Biodevices, 17 juin (Nancy)
- Journée technique Chapitre Français UFFC, 9 septembre (Saclay)
- French Chapter Cocktail at IEEE JS, 25 septembre (Taipei)
- Journée technique Chapitre Français UFFC, 4 décembre (Paris)

https://events.vtools.ieee.org/m/434155

Event 1 : Symposium: Recherche en Imagerie et Technologies pour la Santé (RITS): 5 - 7 June 2024 in Aubière

- The Chapter offered partial travel support of 4 speakers (next slide) composing a special session to promote work in UFFC contributing to biomedical imaging and technology
- 26 people registered for the event (6 IEEE members)
- Following the event, the UFFC Chapter contacted participants with information about the UFFC France Chapter and its events

Event 2 : Microfluidics & biodevices Workshop

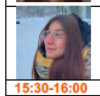
IEEE Attended: 11
Guests Attended: 33

Date: 14 Jun 2024
Time: 10:00 AM to 06:00 PM
Campus ARTEM, Nancy, France

2024 Microfluidic & biodevices Workshop

2024 Microfluidic & biodevices Workshop

June 14th, 2024, P. Alnot Room (4A-014),
Campus ARTEM, Nancy, France

	Session 1: 10:00 -12:00
	10:00-10:40 : Miniaturized Wearable, Implantable and Self-powered Electrofluidic devices for Multi-domain Sensing Applications **Prof. Sanket GOEL, *IEEE Sensors Distinguished Lecturer*** MEMS, Microfluidics and Nanoelectronics (MMNE) Lab, Department of Electrical and Electronics Engineering Birla Institute of Technology and Science (BITS) Pilani, Hyderabad Campus, Hyderabad, India
	10:40-11:10: When microfluidics meets biology: on-chip immobilization of proteins for cryo-EM imaging **Dr. Norbert DUMAS** SMH Group (Systèmes et Microsystèmes Hétérogènes) ICUBE, Université de Strasbourg, CNRS, INSA
	11:10-11:40: Microtechnologies and Microfluidics for Life Sciences **Dr. Anthony TREIZEBRE** Associate Professor in BioMEMS Group Institut d'Electronique, de Microélectronique et de Nanotechnologies (IEMN UMR 8520), Villeneuve d'Ascq, France
	11:40-12:00: SAW devices for DNA duplication (PCR) ***Clemence BISCARA*** Micro and Nanosystems Group Institut Jean Lamour (UMR 7198) Nancy, France
12:00-14:00	**Lunch and IJL Facilities visit**
	Session 2: 14:00-15:30
	14:00-14:40: Soft Printed Biomedical Sensors and Electronics for Human Healthcare **Dr. W. Hong YEO, *Director of CHCIE and MBS, Georgia Institute of Technology*** Associate Professor and Woodruff Faculty Fellow; George W. Woodruff School of Mechanical Engineering Wallace H. Coulter Department of Biomedical Engineering; IEN Center for Human-Centric Interfaces and Engineering (CHCIE); IMat-IBB Materials for Biomedical Systems Initiative (MBS)
	14:40-15:10: Microelectrode arrays and microfluidics for the recording of reconstructed neuronal junctions and organoids **Dr. Benoît CHARLOT (DR CNRS), Head of Biomicrofluidics and Biophotonics research Team** Matériaux, Micro et Nanodispositifs (M²N) Group, Institute of Electronics and Systems (UMR 5214), University of Montpellier - CNRS, Montpellier, France
	***15:10-15:30: Lab-on-a-Chip with Integrated Elastic Metamaterials for Biosensing*** ***Jessica MONALDI*** Micro and Nanosystems Group Institut Jean Lamour (UMR 7198) Nancy, France
15:30-16:00	**Coffee Break**
	Session 3: 16:00-17:40
	16:00-16:30: Engineering of flexible microdevices for mechanical characterization and stimulation of microtissues **Prof. Charles BAROUD, *MELCART ERC Advanced Grant Laureate*** Head of the microfluidics Group, Laboratoire d'Hydrodynamique Ladhyx; Ecole Polytechnique, Palaiseau, France
	16:30-17:00: Lab on chip developments for the analysis of complex fluids **Prof. Thérèse LEBLOIS, *Deputy Director of FEMTO-ST*** BIND Group, FEMTO-ST Institute, Besançon, France
	17:00-17:40: Fast Acoustofluidics and Acoustic Streaming **Prof. James FRIEND, *Head of Medically Advanced Devices Laboratory at the UCSD*** Professor in both the Department of Mechanical and Aerospace Engineering at the Jacobs School of Engineering, and the Department of Surgery, at the School of Medicine, University of California at San Diego, USA.

Contact : omar.elmazria@univ-lorraine.fr

www.ijl.univ-lorraine.fr

2024 Microfluidic & biodevices Workshop

Upcoming events

1. Chapter meeting : 4 décembre Paris — Responsable : Lori Bridal
2. Meeting : Nov-Dec 2025 Ecole Doctorants (Projet HINA) — Responsable : Ausrine Bartasyte
3. Meeting : UFFC (journée Mars-Avril 2025) (avec le GAPSUS ?) — Responsable : Emilie Franceschini
4. Meeting : Invitation de DL (Distinguish Lecturers IEEE) — Responsable : Serge Dos Santos
5. Meeting : (candidature IUS 2028) — Responsables : Cyril Lafon et Damien Garcia
6. Meeting : Journée « Ultrasons et médecine fœtale », mars 2025 Resp. Georges Haddad et Serge Dos Santos
7. Meeting : Identifier d'autres chapitres (IM, Sensors)
8. Meeting : Journée US (journée Mars-Avril 2026)
9. Meeting : …

Rejoignez nous

1. En participant aux événements organisés par le chapitre;
2. En partageant vos événements sur la liste UFFC France;
3. En diffusant vos différents offres : Ingénieurs, Chercheurs, thèse, Post-doc;
4. En co-organisant des événements avec d’autres chapitres ou sociétés savantes,
5. ….

Merci à la société UFFC Pour son soutien pour la creation du chapitre

IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society

Grand Merci à notre sponsor pour le financement du cocktail.

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