

## BRAZILIAN PHOTONICS INITIATIVE-MCTI



The **Brazilian Photonics Initiative (IBFóton)** is the main strategic program for the advancement of Photonics in Brazil, with a view to creating, integrating and strengthening government actions in the area, focused on promoting innovation in the Brazilian industry and on scientific, technological, economic, and social development.

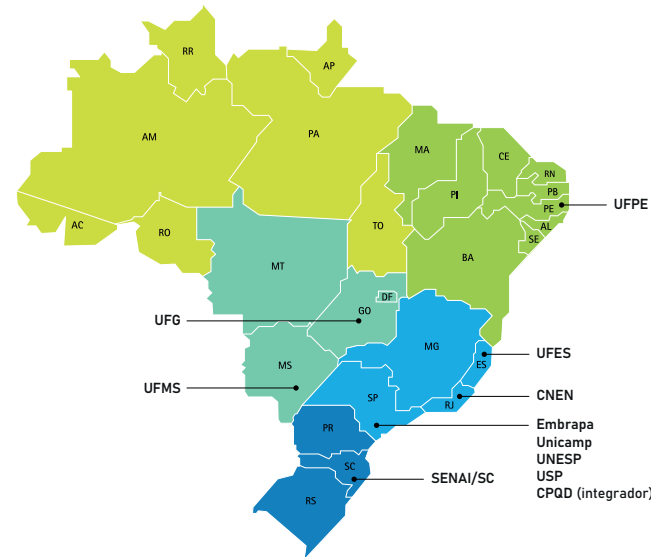
IBFóton was established by MCTI on March 5 2021, by Ordinance No. 4,532, prioritizing the following Sectors and Technologies:

**Sectors:** Communications, Information and Communication Technology, Health, Energy, Agriculture, Environment, Industry, Defense, Mobility and Education; and

**Technologies:** Optical Fiber, Photonic Devices, Hybrid Integration, Integrated Optics, Optoelectronic Devices, Optical Communication Systems and Networks, Lasers, Advanced Materials for Photonics, Nanophotonics, Plasmonics, Classical, Quantum and Nonlinear Optics, Optical Instrumentation, Spectroscopy, Metrology Sensors, Displays and Lighting.

The Brazilian Photonics Laboratories System (Sisfóton-MCTI) stands out as one of the main strategic and enabling programs of the Brazilian Photonics Initiative (IBFóton).

## The mapping of Brazilian Photonics Laboratories System



[www.gov.br/mcti](http://www.gov.br/mcti) /mcti





MCTI Ordinance No. 4,530 established on March 5, 2021 the Brazilian Photonics Laboratories System (Sisfóton-MCTI) as a set of multiuser laboratories or laboratory networks, with open facilities to public and private users. Its mission encompasses research, development and provision of technological services, entrepreneurship, and innovation in Photonics.

The laboratories provide at least 30% (thirty percent) of working hours, facilities, and expertise to external users, public and private. Public Call for Proposals CNPq/MCTI/SEMPI No. 01, 2021 selected eleven laboratories to develop programs, projects, and actions to strengthen the System.

A brief introduction to the laboratories of the Brazilian Photonics Laboratories System (Sisfóton-MCTI) available at:

<https://youtube.com/playlist?list=PLa8HqSGatmeSojg0VbLwvbS1RCMyCE5-Q>

## CONTACT

### MINISTRY OF SCIENCE, TECHNOLOGY, AND INNOVATION MCTI - BRAZIL

Secretaria de Empreendedorismo e Inovação  
Departamento de Tecnologias Aplicadas  
Coordenação-Geral de Tecnologias Habilitadoras  
E-mail: [cgth@mcti.gov.br](mailto:cgth@mcti.gov.br)  
Tel: +55 61 2033-7424

## LABORATORIES

### RESEARCH AND DEVELOPMENT CENTER IN TELECOMMUNICATIONS - INTEGRATING LABORATORY

*Optical Sensing and Monitoring Laboratory (LSMO)  
and Photonic Integration Laboratory (LIF)*

Coordinator: João Batista Rosolem  
Vice Coordinator: Claudio Florida  
E-mail: [rosolem@cpqd.com.br](mailto:rosolem@cpqd.com.br), [flordia@cpqd.com.br](mailto:flordia@cpqd.com.br)  
Website: <https://www.cpqd.com.br/>

### BRAZILIAN AGRICULTURAL RESEARCH COMPANY (EMBRAPA)

*National Laboratory of Agri-Photonics (LANAF)*

Coordinator: Debora Marcondes Bastos Pereira Milori  
Vice Coordinator: Ladislau Martin Neto  
E-mail: [debora.milori@embrapa.br](mailto:debora.milori@embrapa.br), [ladislau.martin@embrapa.br](mailto:ladislau.martin@embrapa.br)  
Website: <https://www.embrapa.br/>

### UNIVERSITY OF SÃO PAULO (USP)

*São Carlos Institute of Physics  
Innovation and Entrepreneurship Support Laboratory  
in Photonic Technologies*

Coordinator: Vanderlei Salvador Bagnato  
Vice Coordinator: Cleber Renato Mendonça  
E-mail: [vander@ifsc.usp.br](mailto:vander@ifsc.usp.br), [crmendon@ifsc.usp.br](mailto:crmendon@ifsc.usp.br)  
Website: <https://www5.usp.br/>

### NATIONAL SERVICE OF INDUSTRIAL APPRENTICESHIP (SENAI)

*Regional Department of Santa Catarina (DR/SC)  
SENAI Innovation Institute in Manufacturing Systems  
and Laser Processing*

Coordinator: Luís Gonzaga Trabasso  
Vice Coordinator: Moisés Felipe Teixeira  
E-mail: [luis.gonzaga@sc.senai.br](mailto:luis.gonzaga@sc.senai.br); [moises.teixeira@sc.senai.br](mailto:moises.teixeira@sc.senai.br)  
Website: <https://sc.senai.br/institutos-senai-de-inovacao/sistemas-de-manufatura>

### FEDERAL UNIVERSITY OF ESPÍRITO SANTO (UFES)

*Telecommunications Laboratory (LabTel)*

Coordinator: Marcelo Eduardo Vieira Segatto  
Vice Coordinator: Maria José Pontes  
E-mail: [marcelo.segatto@ufes.br](mailto:marcelo.segatto@ufes.br), [maria.pontes@ufes.br](mailto:maria.pontes@ufes.br)  
Website: [www.labtelufes.net](http://www.labtelufes.net)

### FEDERAL UNIVERSITY OF GOIÁS (UFG)

*Network of Integrated Photonic Laboratories – LIFóton*

Coordinator: Lauro June Queiroz Maia  
Vice Coordinator: Pablo José Gonçalves  
E-mail: [lauro@ufg.br](mailto:lauro@ufg.br), [pablo@ufg.br](mailto:pablo@ufg.br)  
Website: <https://www.ufg.br/>

### FEDERAL UNIVERSITY OF MATO GROSSO DO SUL (UFMS)

*Optics and Photonics Laboratory - LOft*

Coordinator: Anderson Rodrigues Lima Caires.  
Vice Coordinator: Cícero Rafael Cena da Silva  
E-mail: [anderson.aires@ufms.br](mailto:anderson.aires@ufms.br), [cicero.cena@ufms.br](mailto:cicero.cena@ufms.br)  
Website: <https://infi.ufms.br/gof/>

### UNIVERSITY OF CAMPINAS (UNICAMP)

*Integrated Photonics Laboratory at UNICAMP (LIF)*

Coordinator: Newton Cesario Frateschi  
Vice Coordinator: Hugo Enrique Hernandez Figueroa  
E-mail: [fratesch@ifi.unicamp.br](mailto:fratesch@ifi.unicamp.br), [hugo@unicamp.br](mailto:hugo@unicamp.br)  
Website: <https://www.unicamp.br/unicamp/>

### NATIONAL NUCLEAR ENERGY COMMISSION (CNEN)

*Lasers and Photonic Applications Laboratory*

Coordinator: Wagner de Rossi  
Vice Coordinator: Denise Maria Zezell  
E-mail: [wderossi@ipen.br](mailto:wderossi@ipen.br), [zezell@usp.br](mailto:zezell@usp.br)  
Website: <https://www.gov.br/cnen/pt-br>

### SÃO PAULO STATE UNIVERSITY - JÚLIO DE MESQUITA FILHO (UNESP)

*UNESP Chemistry Institute  
Photonic Materials Laboratory*

Coordinator: Sidney Jose Lima Ribeiro  
Vice Coordinator: Marcelo Nalin  
E-mail: [sidney.jl.ribeiro@unesp.br](mailto:sidney.jl.ribeiro@unesp.br), [marcelo.nalin@unesp.br](mailto:marcelo.nalin@unesp.br)  
Website: <https://www2.unesp.br/>

### FEDERAL UNIVERSITY OF PERNAMBUCO (UFPE)

*UFPE Photonics Laboratories Network*

Coordinator: Anderson S. Leonidas Gomes  
Vice Coordinator: Joaquim Ferreira Martins Filho  
E-mail: [anderson.lgomes@ufpe.br](mailto:anderson.lgomes@ufpe.br), [joaquim.martins@ufpe.br](mailto:joaquim.martins@ufpe.br)  
Website: <https://www.ufpe.br/>