

PhD position, Computational Electromagnetism, Université Côte d'Azur, Nice, France

Applications are invited for a 3-year full-time PhD position funded by Université Côte d'Azur and the European Union's Horizon 2020 (Marie Skłodowska-Curie grant) in the framework of the collaboration between the department of Electrical Engineering Antenna and Telecommunications and the Mathematics Department at the Université Côte d'Azur, Nice, France.

The Ph.D subject concerns in a broad sense the domain of applied mathematics and scientific computing for medical applications and will be developed in close collaboration with Lincoln Agritech, New Zealand, an Independent R&D provider to the private sector and government and university hospital of Nice. The candidate will work on the mathematical and numerical modelling of a hand-held medical imaging scanner that delivers high resolution imaging for use by healthcare practitioners, as well in the development of a reconstruction algorithm based on Open Source FEM codes and actively take part in the trials for the whole system.

Required skills: A Master degree or international equivalent in applied mathematics, scientific computing and connected fields (with knowledge of mathematical modelling, numerical analysis and programming) is highly desirable. The candidate must show interest and motivation for interdisciplinary research.

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- Applicants will only be eligible if they have lived or had their main activity (work, studies etc.) in France for less than 12 months within the past three years at the time of recruitment.