

Curriculum Vitae

+213 32 71 53 49
06 70382157

BP/11, Elhamma, Khenchela
40016 ALGERIA

djamai_djemouai@univ-khenchela.dz
ddjamai@yahoo.fr

DJAMAI Djemouai
Doctor of Physics



EDUCATION

- 2020** **Doctorate in Physics**
Faculty of Sciences University of Batna 1.
- 2002-2004** **Master in Electronics. (Option: Semiconductors and Electronic systems)**
Faculty of Engineering Sciences University of Constantine
- 1998-2002** **Electronics Engineer**
Faculty of Engineering Sciences University of Constantine

PROFESSIONAL EXPERIENCES

- 2017-2024** **Teaching General Electronics, Applied Electronics (University of Khenchela).**
- 2007-2016** **Teaching Sensors (University of Khenchela).**
- 2002-2007** **Teaching General Electronics and Electricity (University of Adrar).**

LIST OF SCIENTIFIC PUBLICATIONS

Journal Articles

- **Characterization and simulation of radiation effects on active edges n-on-p technology planar pixel sensors, Djemouai Djamaï, Khaoula Aouadj, Slimane Oussalah, Abdenour Lounis, Evangelos-Leonidas Gkougkousis, Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, Volume 1062, 2024, 169152, ISSN 0168-9002, <https://doi.org/10.1016/j.nima.2024.169152>**
- **Djamaï, D., Lounis, A., Gkougkousis, EL. et al. Performance of n-on-p planar pixel sensors with active edges at high-luminosity environment. Eur. Phys. J. Plus 135, 101 (2020). <https://doi.org/10.1140/epjp/s13360-020-00149-6>**
- **Application of a deterministic model to the study of the influence of radioprotective molecules on the yields of single and double strand breaks of the DNA <https://doi.org/10.1051/radiopro:2008006>**
- **Application of a deterministic model to the study of the influence of radioprotective molecules on the yields of single and double strand breaks of the DNA molecule <https://doi.org/10.1051/radiopro:2008006>**

Conferences

- **Characterization and simulation of radiation effects on active edges n-on-p planar pixel sensors
PSD13: The 13th International Conference on Position Sensitive Detectors
September 3–8, 2023 Oxford
<https://indico.cern.ch/event/1230837/contributions/5518054/>**
- **Djamaï Djemouai, “Simulations of Silicon n-on-p Pixel Detectors for HEP,”
5th International Conference On Electrical Engineering and Control Applica-**

tions, ICEECA2022, Khenchela, Algeria – November 15-17th, 2022.
<https://link.springer.com/book/9789819700448>

- D Djamai, E Leonidas Gkougkousis, M Chahdi, A Lounis, and S Oussalah. Numerical simulations of radiation damage effects in active edge silicon pixel sensors for high-energy physics experiments. In 2018 International Semiconductor Conference (CAS), pages 227–230. IEEE, 2018.

<https://ieeexplore.ieee.org/document/8539752>

- Simulation des dommages radio-induit dans un détecteur de rayonnement. Journées SFRP / 5ièmes journées scientifiques francophones – 25 & 26 Mars 2014 « Codes de calcul en radioprotection, radiophysique et dosimétrie » PARIS.
- Djamai Djemoua, “Caractérisation et simulation de l’effet des radiations sur les détecteurs planaires pixels à base de silicium,” National Seminar of Physics, Chemistry, and Their Applications, Bordj Bou Arreridj, Algeria. March 6th-7th 2023
- Djamai Djemouai, “Performance of n-on-p planar pixel sensors with active edges for High Energy Experiments,” 3rd National conference on Applied Physics & Chemistry March 13 &13 2023 in Laghouat, <https://easychair.org/cfp/NCAPC23>

•
