

## Descriere CerTIMF

Link-uri:

EERIS <https://eeris.eu/CerTIMF>

ERTIS <https://eertis.eu/errf-2300-000e-2095>

The CerTIMF Research Center has been established at the Computer Science, Information Technology, Mathematics and Physics Department of Petroleum Gas University of Ploiesti.

The CerTIMF's mission is to conduct cutting-edge research, provide educational opportunities to students for life-long careers in computing, promote entrepreneurship for students and faculty, and engage in activities of the professional communities.

At CerTIMF, we believe that science and technology, especially Computer Science, Information and Communications Technologies, should play a crucial role in creating a better world, in the sense of being more intelligent, innovative, interesting, sustainable, etc. but also of providing for more safety and security, equity and multiple opportunities, and so on. The research performed at CerTIMF subscribes to these desiderata and unfolds in various directions ranging from embedded systems to open education, from using machine learning to obtain optimal performance collaborative groups to deep learning used in object detection and recognition, from Internet of Things and its applications to information security, and so on.

CerTIMF also serves as a gateway to the industry, by creating partnerships with different companies and working on joint research and development projects.

All the opportunities illustrated above are possible due to the proactive involvement of both experienced researchers, in several fields, and undergraduate and graduate students.

The CerTIMF's members act in accordance with the ACM Code of Ethics and Professional Conduct, being completely aware of the implications of their work and actions in the society, at large. Moreover, they strive constantly to make a positive contribution to society and human well-being.

## **Propuneri prin Universitatea Petrol – Gaze din Ploiești:**

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PN-IV-P7-7.1-PED-2024-1305 - nefinatat

Sistem inovator flexibil de extragere cu fluide supercritice cu monitorizare si control in timp real pentru industria alimentara - director proiect propus Zoran Constantinescu

PN-IV-PRO-CoEx-2024-0137 - nefinatat

Centru de excelență pentru studii legate de protejarea spațiului personal în mediul online, în contextul tehnologiilor Big Data Analytics și IA - - director proiect propus Monica Vladioiu

## **Propuneri prin colaborare parteneri:**

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PN-IV-P7-7.1-PED-2024-2603 - nefinatat

Modelarea și controlul microalgelor integrate in sisteme regenerative de susținere a vieții membru Zoran Constantinescu

PN-IV-P6-6.3-SOL-2024-2-0254 - finatat

Combatant digital - <https://www.mta.ro/vesta/>

membru Zoran Constantinescu

POPAM 2014-2020, SMIS code 156499 - finatat

Stație pilot de cercetare dezvoltare pentru creșterea algelor

<https://asas-icdeapa.ro/rezultatele-activitatii-de-cercetare-si-de-dezvoltare-statie-pilot-de-cercetare-dezvoltare-pentru-cresterea-algelor>

membru Zoran Constantinescu