



## Cosmin-Ionut Toma

**Data nașterii:** 15/02/1995 | **Cetățenie:** română | **Gen:** Masculin | **Număr de telefon:**

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### EXPERIENȚA PROFESIONALĂ

**ASISTENT UNIVERSITAR – FACULTATEA DE INGINERIE ELECTRICĂ, UNIVERSITATEA DIN CRAIOVA** – 07/11/2022 –  
În curs – ROMÂNIA

**INGINER AUTOMATIST (SCADA) – EX4START** – 01/10/2020 – 06/11/2022 – CRAIOVA, ROMÂNIA

**INTERNSHIP – CONTINENTAL AUTOMOTIVE** – 14/02/2020 – 15/08/2020 – TIMISOARA, ROMÂNIA

**ELECTRICIAN – CUMMINS GENERATOR TECHNOLOGIES ROMANIA SA** – 26/03/2018 – 14/02/2020 – CRAIOVA, ROMÂNIA

**INTERNSHIP – ADIENT AUTOMOTIVE ROMANIA** – 15/05/2017 – 15/10/2017 – CRAIOVA, ROMÂNIA

**INTERNSHIP – FORD MOTORS COMPANY** – 29/06/2016 – 19/07/2016 – CRAIOVA, ROMÂNIA

### EDUCAȚIE ȘI FORMARE PROFESIONALĂ

01/10/2021 – 17/09/2025

**DOCTOR** Facultatea de Inginerie Electrică , Universitatea din Craiova

29/09/2018 – 26/06/2020 Craiova, România

**MASTER** Facultatea de Inginerie Electrică , Universitatea din Craiova

01/10/2014 – 05/07/2018 Craiova, România

**INGINER** Facultatea de Inginerie Electrică , Universitatea din Craiova

15/09/2010 – 21/06/2014 Craiova, România

**BACALAUREAT** C.N."Elena Cuza"

### COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

|                 | COMPREHENSIUNE       |       | VORBIT                     |             | SCRIS |
|-----------------|----------------------|-------|----------------------------|-------------|-------|
|                 | Comprehensiune orală | Citit | Producerea de mesaje orale | Conversație |       |
| <b>ENGLEZĂ</b>  | B2                   | B2    | B2                         | B2          | B2    |
| <b>FRANCEZĂ</b> | B2                   | B2    | B2                         | B2          | B2    |

## **PUBLICAȚII**

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2025

### **International Conference on Electromechanical and Energy Systems**

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C. -I. Toma, D. Rusinaru, R. Lincă and M. . -D. Constantinescu, "Communication Protocols for Energy Activity Monitoring in Transformer Substations," International Conference on Electromechanical and Energy Systems , pp. 841-846,

2025

### **International Conference on Electromechanical and Energy Systems (SIELMEN)**

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D. Rusinaru, C. Toma, M. Linca, C. Buzatu, L. G. Manescu and M. -. D. Constatineseu, "Hosting Capacity Assessment for PV Units Integration in the Power Distribution Grids," International Conference on Electromechanical and Energy Systems, pp. 592-597

2025

### **International Conference on Electromechanical and Energy Systems (SIELMEN)**

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M. D. Constantinescu, M. Popescu, M. Lincă, I. -C. Toma and F. Ravigan, "Real-Time Implementation of Direct Current Control Strategies for Active Power Filtering Using dSPACE," SIELMEN, pp. 586-591,

2025

### **Annals of the University of Craiova**

---

C.-I. Toma, D. Rusinaru, M. Linca, C. Buzatu, C. Bratu. "Efficient Solution of PV System with Solar Tracker – Laboratory Prototype" Annals of the University of Craiova, Electrical Engineering, No. 49, Issue 1, pp. 16-20

2025

### **Annals of the University of Craiova**

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M. D. Constantinescu, M. Popescu, M. Lincă, F. Ravigan and C.-I. Toma, "Implementation and Experimental Validation of Shunt Active Filter Control Strategies on dSPACE Prototyping System" Annals of the University of Craiova, Electrical Engineering, No. 49, Issue 1, pp. 16-20, Electrical Engineering, No. 49, Issue 1, pp. 16-20

2024

### **ICATE**

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C.-I. Toma, M. Popescu, M. D. Constantinescu, G. E. Subțirelu, 2024, „Wireless Communication for SCADA System of a Railway Electrical Substation,” International Conference on Applied and Theoretical Electricity (ICATE), Craiova, pp. 1-6

2024

### **Annals of the University of Craiova**

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**C.-I. Toma**, M. Popescu, M. D. Constantinescu, I. C. Popa, „Remote Communication in the Substation's SCADA System,” Annals of the University of Craiova, Electrical Engineering series, no. 48, issue 1, pp. 81-86.

2024

### **Annals of the University of Craiova**

---

G-E. Subțirelu, P. Pistol, A. Vintilă and **C.-I. Toma**, „Equipment for Energizing and Controlling the Operation of Synchronous Power Motors,” Annals of the University of Craiova, Electrical Engineering series, no. 48, issue 1, pp. 16-22

2024

### **Annals of the University of Craiova**

---

G. -. E. Subțirelu, P. Pistol, A. Vintilă and C. I. Toma, "Digital System for High Power Synchronous Motor Excitation Control," 2024 International Conference on Applied and Theoretical Electricity (ICATE), Craiova, Romania, pp. 1-6,

2023

#### **International Conference on Electromechanical and Energy Systems (SIELMEN)**

---

C.-I. Toma, M. Popescu, M. D. Constantinescu, C. I. Popa, 2023, „Application of SCADA System in an Electrical Substation and Remote Terminal Unit Parametrization,” International Conference on Electromechanical and Energy Systems (SIELMEN),

2023

#### **Annals of the University of Craiova**

---

C.-I. Toma, M. Popescu, M. D. Constantinescu, C. G. Buzatu, 2023, „Configuration of SCADA System Graphical User Interface for Electrical Station,” Annals of the University of Craiova, Electrical Engineering series, no. 47, issue 1pp. 88-94

2023

#### **International Conference on Electromechanical and Energy Systems (SIELMEN)**

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M. D. Constantinescu, M. Popescu, G. E. Subțirelu and C.-I. Toma, 2023, „Application of the Direct Power Control in a Three-Phase Shunt Active Power Filter System,” International Conference on Electromechanical and Energy Systems , Craiova, pp. 1-6

2023

#### **Annals of the University of Craiova**

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M. D. Constantinescu, M. Popescu, G. E. Subțirelu and C.-I. Toma, 2023, „Modelling, Simulation and Implementation on dSpace 1103 of the Direct Power Control in a Three-Phase Shunt Active Power Filter System,” No. 47, Issue 1, pp. 69-75.

2022

#### **Annals of the University of Craiova**

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C.-I. Toma, M. Popescu, M. D. Constantinescu, I. C. Popa, 2022, „Application of Electrical Substation, Ring Topology versus Star Topology,” Annals of the University of Craiova, Electrical Engineering series, no. 46, issue 1, 2022, pp. 63-68

2022

#### **Annals of the University of Craiova**

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M. D. Constantinescu, M. Popescu, C.-I. Toma, C.V. Suru, 2022, „Comparative Analysis in the Case of Indirect Current Control in a Shunt Active Filtering System,” Annals of the University of Craiova, Electrical Engineering, No. 46, Issue 1, pp. 56-62.

#### ● **CERTIFICATIONS**

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##### **Concurs**

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Concursul Național de matematică "Traian Lalescu" 2015

#### ● **COMPETENȚE DE COMUNICARE ȘI INTERPERSONALE**

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##### **Comunicare si abilități interpersonale**

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Spirit de echipă , adaptabilitate, comunicare, fiabilitate.

