

**Aleksandr S. Nesterov**

**Associate Professor, Ph.D**

**Department: «Automatic electric drive»**

**School of Power Engineering, South Ural State University (National Research University)**

9 patents, 28 publications

h-index:

Scopus - 2, Web of Science - 0, RSCI - 2

### **CONTACT INFORMATION**

Address: room 264, 76 main building, Lenin prospekt

Phone number +79043084291

Email: nesterovas@susu.ru

### **1. EDUCATION**

2004	Specialist Degree, South Ural State University, Electric drive and automation of industrial plants and technological complexes
2009	PhD in Electric engineering, South Ural state University

### **2. PROFESSIONAL EXPERIENCE/ EMPLOYMENT HISTORY**

2004 - 2009	Engineer, South Ural state University, The Department of Automated Electric Drive, Chelyabinsk, the RF
2004 - 2009	Engineer, Research and development center «Educational Equipment and Technology», Automation Department, South Ural state University, Chelyabinsk, the RF
2009 – 2019	Engineer, LLC Research and manufacturing company "Uchteh-Profi", Automation Department, Chelyabinsk
2009 – pres.	Associate Professor, The Department of Automated Electric Drive, South Ural state University, Chelyabinsk

### **3. TEACHING EXPERIENCE**

#### **3.1. Undergraduate courses**

2004 – pres	Industrial Automation (lectures, workshops and lab classes)
2016 – 2020	Electric drive and components of industrial robots (lectures, workshops and lab classes)
2016 – 2019	Finite state machines in electric drive (lectures, workshops and lab classes)

--	--

### 3.2. Postgraduate courses

2010 – 2019	Automated Electric Drive (lectures, workshops and lab classes)
2016 – pres	Programming of Robotic Systems: foundation course ( lectures, workshops and lab classes)
2016 – pres	Robotic Systems of Ground Vehicles (lectures, workshops and lab classes)
2019 - pres	Industrial Networks In Control Systems of Electromechanical Complexes (lectures, workshops and lab classes)
2019 – pres	Information Systems in Power Engineering (lectures, workshops and lab classes)

### 3.3. Lab practice

2004 – pres	Industrial automation
2010 – 2019	Automated Electric Drive Finite State Machines in Electric Drive
2016 – pres	Programming of Robotic Systems: foundation course
2016 - pres	Robotic Systems of Ground Vehicles
2019 – pres	Industrial Information Systems in Power Engineering
2019 – pres	Industrial Networks: Control Systems of Electromechanical Complexes

## **4. AREAS OF SCIENTIFIC EXPERTISE (RESEARCH INTERESTS):**

1. Industrial Automation
2. PLC
3. Industrial Networks
4. iiIoT (Industrial Internet of Things)
5. Intelligent Electric Drive Systems

## **5. HONORS/AWARDS (ACHIEVEMENTS)**

Certificates for U.M.N.I.K-2007

Reviewer at the IEEE Global Engineering Education Conference (EDUCON 2017)

WSA World Champion-2012, European Silver Medalist-2013, FISTC European Bronze Medalist-2016 and World Silver Medalist-2017 in sledge-dogs sport.