

## CURRICULUM VITAE

**Present employer's name and address (if any):** NTU KhPI, ul. Frunze 21, 61002,

Kharkiv, Ukraine

- 1. Family name: Perevertaylenko**
- 2. First name: Oleksandr**
- 3. Date of birth: 25.12.1955**
- 4. Nationality: Ukrainian**
- 5. Civil status: Married**
- 6. Education: Higher**

<i>Institution</i>	<i>Kharkiv Polytechnical Institute</i>
<i>Date: from (month/year): to (month/year)</i>	<i>09.1973 – 02.1979</i>
<i>Degree(s) or diploma(s) obtained:</i>	<i>Diploma of Mechanical Engineer</i>

- 7. Language skills:** (Mark 1 to 5 for competence, 5 being the highest)

<i>Language</i>	<i>Reading</i>	<i>Speaking</i>	<i>Writing</i>
English	5	4	5
Russian	5	5	5

- 8. Membership of professional bodies: no**
- 9. Other skills (e.g. computer literacy, etc.): intellectual property**
- 10. Present position: Senior researcher of NTU “KhPI”**
- 11. Years within the university: 37**
- 12. Key qualifications : heat transfer, process integration, intellectual property**
- 13. Specific Eastern European and CIS experience:**

<i>Country</i>	<i>Date: from (month/year) to (month/year)</i>
<b>Ukraine</b>	<b>from 02.1979 for today</b>
<b>Russia, Nevynnomysky AZOT site (expertise)</b>	<b>03.1982 – 05.1983</b>
<b>Russia, Tollyatti AZOT site (expertise)</b>	<b>08.1983 – 10.1984</b>
<b>Russia, Berezniki AZOT site (expertise)</b>	<b>12.1988 – 09.1989</b>
<b>Byelorussia, Grodno AZOT site (expertise)</b>	<b>09.1988 – 10.1988</b>
<b>Tajikistan, Kurgan-Tjube AZOT site (expertise)</b>	<b>12.1986</b>
<b>Byelorussia, Grodno Regional District Heating (expertise, supervision)</b>	<b>12.1991 – 10.1992</b>
<b>Russian Federation, Bashkortostan, Sterlitamak</b>	<b>10.2003 – 06.2004</b>

<b>SODA site (expertise, supervision)</b>	
<b>Republic of Kazakhstan, State Committee of Science grant (researches)</b>	<b>03.2015 –for today</b>

#### 14. Professional Experience Record:

<i>Date: from (month/year) to (month/year)</i>	<i>02.1979 – for today</i>
<i>Location: Kharkiv, Ukraine</i>	
<i>Company: National Technical University " Kharkiv Polytechnical Institute, Centre for Energy Saving Process Integration</i>	
<i>Position: Senior Research officer)</i>	
<i>Date: from (month/year) to (month/year)</i>	<i>12.1991 – for today</i>
<i>Location: Kharkiv, Ukraine</i>	
<i>Company: AO SODRUGESTVO – T</i>	
<i>Position:expert(second job)</i>	<i>Individual contracts</i>

#### Participation in international projects and programmes:

1. British Council Link UMIST – KhPI Project 1993-1997, KNOW-HOW Fund,UK
2. INTAS 2017 1996-1998 , EC funded
3. REAP UKR/395/41/0007 , British Council , 1998-2002
4. INCO-COPERNICUS -2 ICPF-5-1999-A2 PRO1 1999-2001, EC funded
5. INCO-COPERNICUS IC 15-CT98-0506, 2002-2004, EC funded
6. SHERHPA COL-CT-2004-500229, 2004-2007,EC funded
7. INCO-CT-2005-013359-ECOPHOS, 2005-2007,EC funded
8. CONNECT COOP-CT-2006-031638,2006-2008,EC funded
9. DISKNET PIRSES-GA-2011-294933, 2011- for today, EC funded

#### PUBLICATIONS

104 papers and conference presentations, 5 patents.

#### Key publications:

1. O.Yu.Perevertaylenko, A.O Garev, T.Damartzis, L.L.Tovazhnyansky, P.O.Kapustenko, O.P.Arsenyeva. About the Possibility of the Heat Exchange Network Retrofit for Post-combustion CO<sub>2</sub> Capture Unit without Stream Split.- “*Chemical Engineering Communications*”, 2014, 39, p.313-318

2. S.A.Boldyryev, A.O.Garev, J.J.Klemes, L.L.Tovazhnyansky, P.O. Kapustenko, O.P.Arsenyeva, O.Yu. Perevertaylenko. Heat Integration of Ammonia Refrigeration Cycle into Buildings Heating Systems in Buildings.- *"Theoretical Foundations of Chemical Engineering"*, 2013, 47, No.1, p.39-46
3. L.L.Tovazhnyansky, V.P.Meshalkin, P.O.Kapustenko, S.I. Bukhkalov, O.P.Arsenyeva, O.Yu.Perevertaylenko. Energy efficiency of Complex Technologies of Phosphogypsum Conversion.- *"Theoretical Foundations of Chemical Engineering"* 2013, 47, No.3, p.279-285
4. O.Arsenyeva, L.Tovazhnyansky, P.Kapustenko, O Perevertaylenko, G.Khavin. Investigation of new corrugation pattern for low pressure plate condensers. – *"Applied Thermal Engineering"*, 2011, 31,iss.13, p.2146-2152
5. P. Kapustenko, O. Dobromyslova, O. Dobromyslov, O. Perevertaylenko, O. Arsenyeva, O. Ilyunin. Control of Plate Heat Exchanger Outlet Temperature Using Butterfly Valve and Parametric Model Predictive Control Technique.- *"Chemical Engineering Transactions"*, 2009, 18, p.827-832
6. O.Yu.Perevertaylenko, E.R.Nagorniy, L.L.Tovazhnyansky, P.O.Kapustenko. The investigation of vapor condensation in horizontally oriented channels with cross corrugated walls.- *"Chemical Engineering Transactions"*, 2007,12, p.225-229
7. P.A.Kapustenko, A.Yu. Perevertaylenko, G.L.Khavin, O.P. Arsenyeva. Graphite Plate Heat Exchangers as Energy Saving Tool for Corrosive media.- *"Chemical Engineering Transactions"*, 2007, 12, p.219-224
8. L.Tovazhnyansky, G.L.Khavin, V.Sherstiuk, S.Boldyryev, A.Garev. Plate Heat Exchangers for Environmental Friendly Heat Pumps.- *"Chemical Engineering Transactions"*, 2007, 12, p.213-217
9. L.L.Tovazhnyansky, P.O.Kapustenko, O.G.Nagorna, O.Yu.Perevertaylenko. The Simulation of Multicomponent Mixtures Condensation in Plate Condensers.- *"Heat Transfer Engineering"*, 2004, 25, No.5, p.16-22
10. L.L.Tovazhnyansky, P.O.Kapustenko, O.Perevertaylenko. The Investigation of Flow Boiling for Flows in Channels with Cross Corrugated Walls. – *"Heat Transfer Engineering"*, 2002, 23, No.6, p.62-69