

MODEL OF ORGANIZING COOPERATION FOR INDUSTRY AND EDUCATION

Yerken Turganbayev

Dean of Information Technologies and Power Engineering
Department

East Kazakhstan State Technical University named after
D.Serikbaev

Ust-Kamenogorsk, Kazakhstan
Eturganbaev@ektu.kz

Study Programs of Information Technologies and Power Engineering Department

- **Undergraduate Programs:**

- 050702 Automation and Control Systems
- 050703 Informational Systems
- 050704 Computer Engineering and Software
- 050705 Mathematical and Computer Modeling
- 050716 Instrumentation
- 050717 Heat-and-Power Engineering
- 050718 Electrical Energy Industry

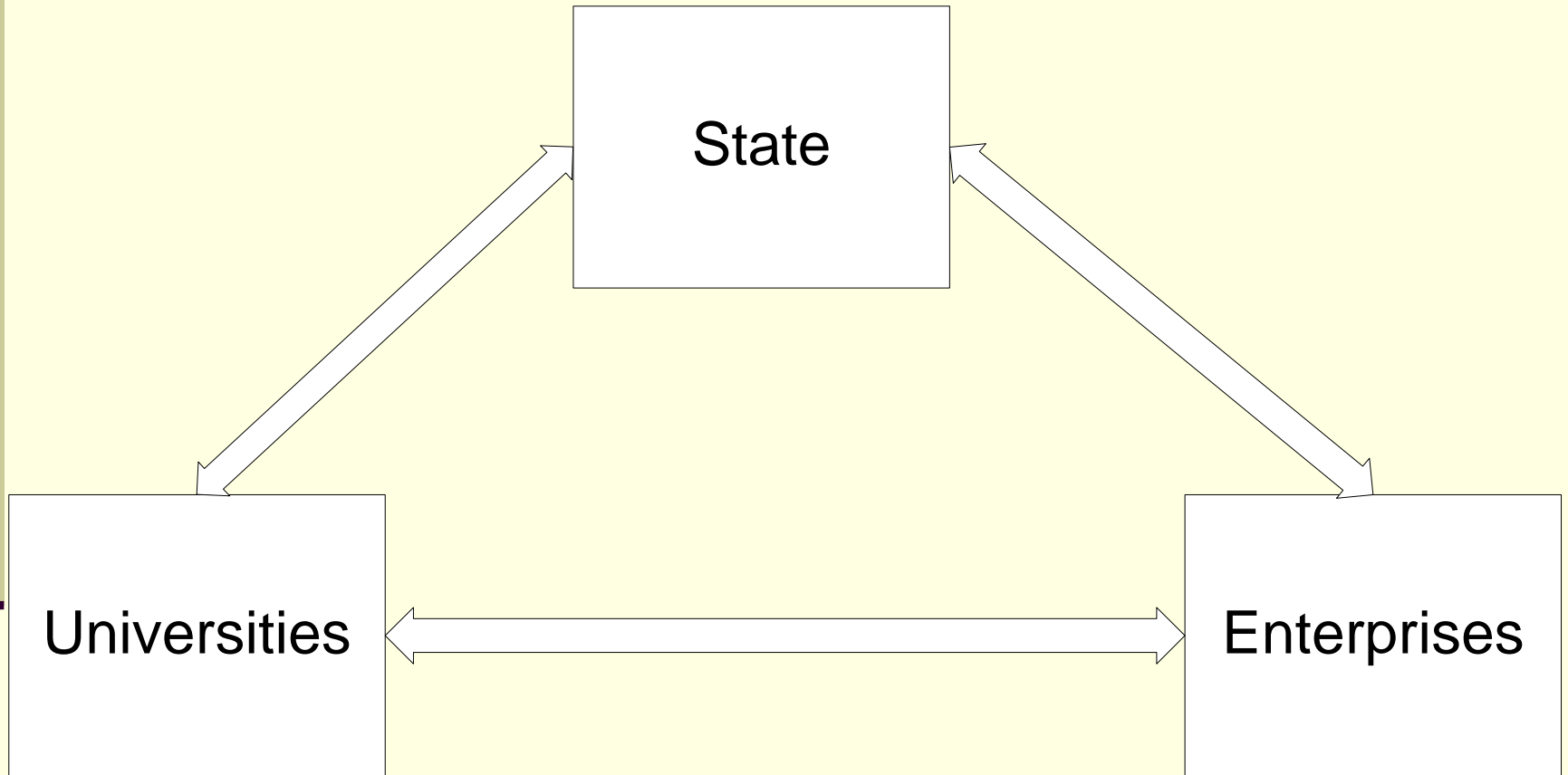
- **Master Programs:**

- 6N0702 Automation and Control
- 6N0703 Informational Systems
- 6N0601 Mathematics
- 6N0704 Computer Engineering and Software

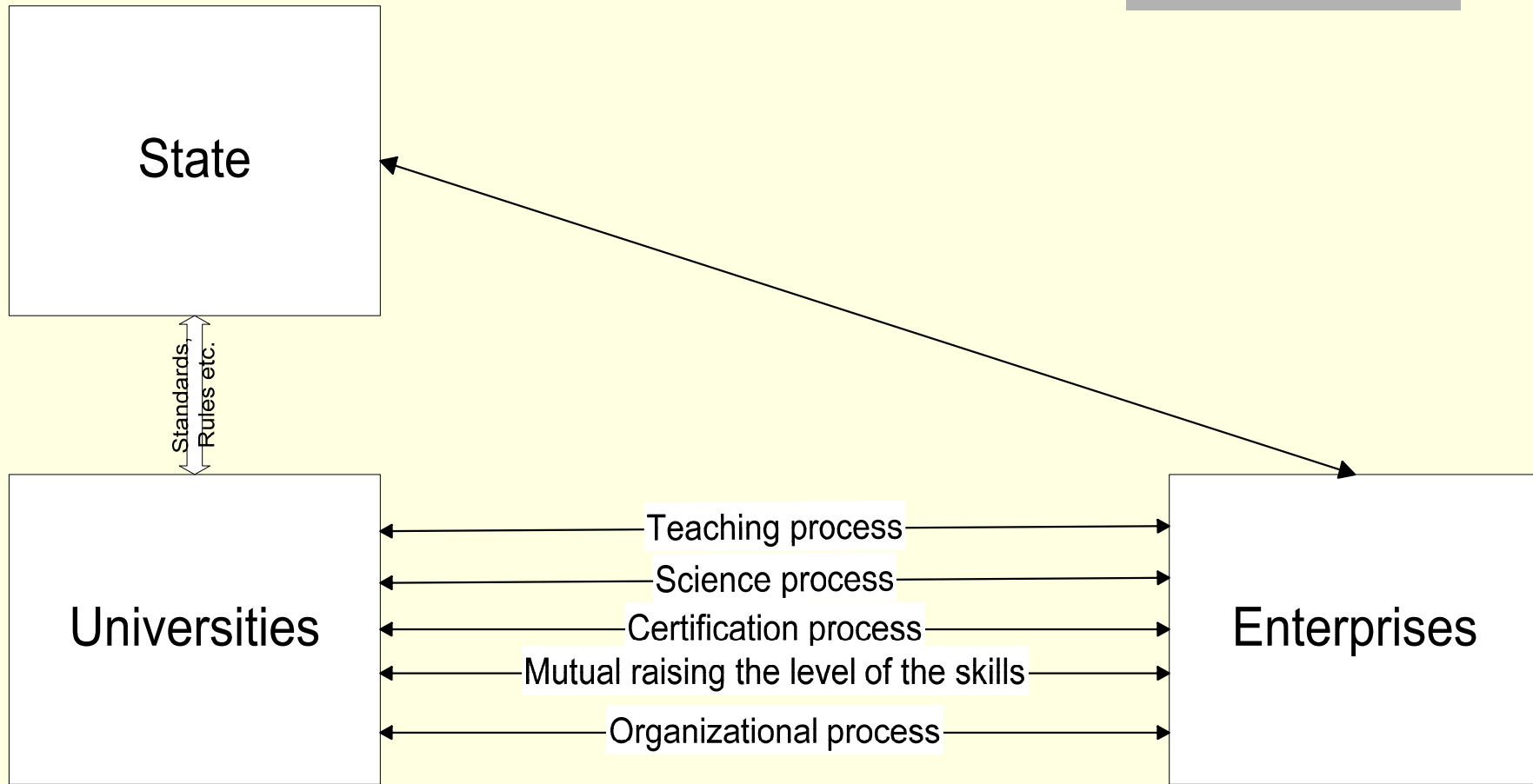
- **PhD Programs:**

- 05.13.06 Automation and Workflow Control Engineering (in specific fields)
- 01.01.06 Algebra, Mathematical Logics and the Theory of Numbers
- 05.25.05 Informational Systems and Processes, Legal Aspects of Computer Informatics
- 05.13.10 Social and Economy Systems Control

The old model of cooperation with the State as central player



The new model of cooperation between industry and universities



Teaching process

- *participation of industrial partners in syllabi development;*
- *participation of business representatives in education process;*
- *organization of all kinds of practice for students.*

Science process

- *conducting joint scientific projects with businesses.*
- *conducting joint scientific practical conferences.*

Certification process

- *participation in the work of State Certification Committees.*
- *assistance in determining subjects and supervising degree works of the students of the Department.*
- *reviewing degree works and projects by representatives of industrial companies.*
- *holding competitions of the degree works judged by IT companies.*

Mutual raising the level of the skills

- *getting extra higher education by workers of a partner-industry.*
- *certification of the students and the teachers of the Department.*

Organizational process

- *organising the regional round of the International Programming Competition*
- *establishing the branches of the Sub-departments at the Companies.*

Proposals on international collaboration with related Departments of European Universities

- Joint Ms and PhD Programs on the mutually beneficial basis.
- International Cooperation Agreements which could include students and staff exchange, practice, science projects and so on.



Thank very much for your attention!

