

1. **15 International Congress of Foundry Workers Moscow 08—09 June 2021. Overview**
2. **I.A. Dibrov. State and prospects development of foundry production in Russia.**

Report on the state and prospects of development of foundry production in Russia. Advantages, disadvantages, and recommendations.

Keywords: foundry production, personnel, specialists, quality, market.

3. **V.A. Kechin. The role of specialized university departments in the training of foundry personnel and development foundry production.**

The article deals with the problems of training foundry personnel and the role of specialized departments of universities in the development of foundry production.

Keywords: personnel training, specialized departments, foundry

4. **V.A. Ivanova. «Regulatory guillotine» for foundry production.**

The article deals with the results of the use of the «regulatory guillotine» mechanism in the Russian Federation at the present time. The adopted federal laws of the Russian Federation within the framework of the «regulatory guillotine» are described. The list of federal executive authorities implementing the mechanism of the «regulatory guillotine» in relation to foundry production is given.

Keywords: regulatory guillotine, foundry production, control and supervision, mandatory requirements

5. **V.D. Belov. A.V. Koltygin, A. Yu. Titov. About the All-Russian Olympiad of Foundry students.**

The results of the student Olympiad among bachelors and masters of Russian universities are presented.

Keywords: sports Contest, bachelor, master, results, winners.

6. **A.V. Monastyrsky. Computer modeling of foundry processes, SCM LP «PolygonSoft»**

The system of computer modeling of casting processes «PolygonSoft» is proposed, which provides the determination of the forecast and analysis of the causes of casting defects at the design stage of the casting mold and the gating-feeding system.

Keywords: computer modeling system, casting defects, casting mold.

7. **D.Yu. Zarovkin. Prospects for the introduction of additive technologies in production.**

The article discusses the prospects for the introduction of additive technologies to accelerate R & D, production and delivery of new products to the market.

Keywords: additive technologies, 3D printing, digital models.

8. **R.I. Nurullin, N.V. Fasonova, E.V. Panfilov, V.I. Martemyanov.** The use of advanced technologies for the manufacture of heat-resistant thin-walled cast blanks «Turbine body» in the conditions of the Foundry.

The article shows that the use of modern methods (3D modeling of casting simulation, 3D printing) in the design allows you to quickly develop a technology for manufacturing complex castings in the configuration of the example of the cast billet «Turbine body».

Keywords: modeling, thin-walled casting, turbine body.