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**« 2018 Wave electronics and its
application in information
and telecommunication systems»**

WECONF 2018

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26-30 November 2018

Location

St. Petersburg State University of Aerospace Instrumentation (SUAI)
67, Bolshaya Morskaya, Saint Petersburg, 190000, RUSSIA

CONFERENCE PROGRAM

Saint Petersburg, 2018

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SUBJECTS OF THE CONFERENCE

- Nano-electronics
- Acoustooptics and acoustooptic methods for information processing
- Acoustoelectronics
- Signals and Information in Telecommunication Systems
- Magnetostatic waves
- New acoustic material properties
- Bulk and SAW filters
- Bulk and SAW oscillators and sensors
- Microwave oscillators
- Resonators
- Frequency synthesis
- Acoustooptic and acoustoelectronic methods for the environment monitoring
- Mathematical simulation of wave electronic devices
- Optical methods of information processing

PROGRAM

1. Adzhemov A.S.

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CODE DISTANCE TABLE AND ITS APPLICATION

2. Afanasyeva A.A.

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MODIFICATION OF THE FINGERPRINTING CODE DECODING PROCEDURE IN THE CASE OF SOFT DECISION

3. Al-Umari I. H.A, Kashapov. N.F., Saitkulov V.G., Ivanov V.P.

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DEVELOPMENT OF AN ULTRASONIC METHOD FOR MEASURING THE STATE OF THE ELECTROLYTE DURING COMBUSTION OF THE DISCHARGE WITH AN ELECTRIC ELECTRODE

4. Apanasenko N.V., Burkov A.A., Turlikov A.M.

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PERFORMANCE ANALYSIS OF ZF AND MMSE ALGORITHMS FOR MIMO SYSTEMS

5. Babkin V. A., Stroganova E. P.

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6. Balakshy V.I., Mantsevich S.N.

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OPTOELECTRONIC GENERATOR BASED ON COLLINEAR ACOUSTO-OPTIC DIFFRACTION

7. Balonin N.A., Sergeev M.B., Vostrikov A.A.

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MODERN ARTIFICIAL INTELLIGENCE NETWORK TECHNOLOGIES: CLOUD COMPUTING

8. Belekhov I.A., Iziboldin I.S.

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**SPREAD FUNCTION OF THE OPTICAL TIME-DISPERSION ANALYZER
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9. Ben Rejeb T.B.K., Kreyndelin V.B., Smirnov A.E.

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**PRECODING AND DETECTION TECHNIQUES FOR LARGE SCALE
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10. Bestugin A.R., Yakimov A.N., Kirshina I.A.

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**MATHEMATICAL SYNTHESIS IN DESIGNING MICROWAVE ANTENNAS
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11. Bogatyrev A.V., Bogatyrev S.V., Bogatyrev V.A.

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12. Bogatyrev V.A., Aleksankov S.M., Derkach A.N.

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**MODEL OF CLUSTER RELIABILITY WITH MIGRATION OF VIRTUAL
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14. Bulanov A.M., Pastushok I.A.

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15. Buldin I.D., Gorodnichev M.G., Makhrov S.S., Denisova E.N.

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16. Burkov A.A., Stepanov N.V.

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17. Bykov A.A., Machikhin A.A., Khokhlov D.D., Zinin P.V.

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18. Chernyshev S.A.

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19. Chugunov A.A., Zhezherin A.R.

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RESEARCH FSK SIGNALS OF SAW TAGS FOR IDENTIFICATION SYSTEMS

20. Chukavina E. S., Ovchinnikov A. A. (Member, IEEE)

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21. Chumakova N.Y., Olenov V.L.

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22. Dymkova S.S.

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- 23. Dyuryagina A. B., Borisov V. N., Shurygina N. A., Veniaminov A. V., Lesnichii V. V.**
ITMO University, Saint Petersburg, Russia;
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- 24. Dziubenko I.N., Tatarnikova T.M.**
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- 25. Fetisov V.A., Taratun V.E**
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- 28. Gorokhov A.A., Ovchinnikov A.A. (Member, IEEE)**
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Moscow Technical University of Communications and Informatics, Moscow, Russia
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Volga State University of Technology, Yoshkar-Ola, Russia
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Saint-Petersburg State University of Aerospace Instrumentation, Saint Petersburg, Russia

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- 55. Nesteruk S. V., Kovalenko V. Y., Bezzateev S. V. (Member, IEEE)**
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Saint-Petersburg State University of Aerospace Instrumentation, Saint Petersburg, Russia
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- 60. Paraskun A.S., Vaganov M.A, Kazakov V.I.**
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- 62. Polschikova O.V., Machikhin A.S., Ramazanova A.G., Pozhar V.E., Boritko S.V.**
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Saint-Petersburg State University of Aerospace Instrumentation, Saint Petersburg, Russia

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65. Preslenev L.N., Kazakov V.I., Paraskun A.S., Vaganov M.A.

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69. Saitkulov V.G., Saitkulov N.O., Al-Umar I.H.A.

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70. Semenov A.B.

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71. Sentsov A. A., Polyakov V.B., Gladkii N.A.

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75. Shepeta A.P., Makhlin A.M., Nenashev V.A. (Member, IEEE), Kryachko A.F.

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76. Shorin O.A., Bokk G.O.

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77. Shurygina N.A., Borisov V.N., Dyuryagina A.B., Veniaminov A.V., Lesnichii V.V.

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**EFFECTIVE OPTICAL CHARACTERISTICS OF HOLOGRAPHIC
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78. Slastikhin I. A, Bogatyrev V. A.

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79. Stroganova E.P., Semenov A.B.

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84. Than Myo Zaw, Min Thant, Bezzateev S. V. (Member, IEEE)

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**USER AUTHENTICATION IN SSL HANDSHAKE PROTOCOL
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85. Tomchuk K.K.

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86. Vaganov M. A.

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87. Voloshina N.N., Kabulov U.N., Bezzateev S.V. (Member, IEEE)

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