



2025 International Conference on “Physics and Mechanics of New Materials and Their Applications” (PHENMA 2025)



Kitakyushu (Japan), September 27-30, 2025

<http://phenma2025.sfedu.ru/>

First Announcement

Sponsored by



Rostov Regional Administration, Russia



Kitakyushu city, Japan



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KSCM

The Korean Society for Composite Materials,
South Korea



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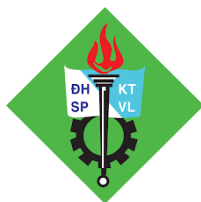
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Scope of the Conference

The scope of the conference includes the following topics:

Materials: Ferro-Piezoelectrics, Semiconductors, Superconductors, Environmental Materials, Composite, Ceramics, Thin Films, Nanomaterials, Advanced Materials for Additive Manufacturing, Metal Engineering Materials, Functionally Graded Materials etc.

Synthesis & Processing: Powder Processing, Processing Technologies, Piezoelectric Technologies, MEMS-Processing, etc.

Characterization and Research Methods: Material Design, Microstructure Properties, Chemical Properties, Physical Properties, Mechanical Properties, Strength Properties, Finite-Element Modeling, Mathematical Modeling, Physical Modeling, Physical Experiment, etc.

Applications: MEMS, Hetero-structures, Piezotransducers, Energy Harvesting, Superconductive Devices, Light-Emitting Diodes, Multimedia Communication, Fiber Reinforced Composites, Construction Health Monitoring, Lubricant and Tribology, etc.

Underwater Technologies: Underwater Communication, Marine Engineering, Power System, Ocean Energy, etc.

Biomedical Engineering: Medical Materials, Nanotechnology in Medicine, Medical Instrumentation, Physical Methods in Medicine, Waste, Biological Product Processing, etc.

Industry and Management: CAD/CAM/CAE Application, Industrial Instruments, EDM, Materials Machining, Machines, Design and Building Constructions, etc.

The conference will consist of keynote, oral and poster sessions.

Objectives of the Conference

This conference continues topics of the

Taiwanese-Russian Symposium “Physics and Mechanics of New Materials and Their Applications” (June 4-6, 2012, Rostov-on-Don, Russia), selected reports of which have been published as edited book “Physics and Mechanics of New Materials and Their Applications” by Nova Science Publishers, New York;

2013 International Symposium on “Physics and Mechanics of New Materials and Underwater Applications” (June 5-8, 2013, Kaohsiung, Taiwan), selected reports of which have been published as Springer Proceedings “Advanced Materials – Physics, Mechanics and Applications” by Springer, Heidelberg, New York, Dordrecht, London;

2014 International Symposium on “Physics and Mechanics of New Materials and Underwater Applications” (March 27-29, 2014, Khon Kaen, Thailand), selected reports of which have been published as edited book “Advanced Materials - Studies and Applications” by Nova Science Publishers, New York;

2015 International Conference on “Physics and Mechanics of New Materials and Their Applications” (May 19-22, 2015, Azov, Russia), selected reports of which have been published as Springer Proceedings “Advanced Materials – Manufacture, Physics, Mechanics and Applications” by Springer, Heidelberg, New York, Dordrecht, London and as Proceedings of the 2015 International Conference on “Physics, Mechanics of New Materials and Their Applications”, devoted to 100-th Anniversary of the Southern Federal University by Nova Science Publishers, New York;

2016 International Conference on “Physics and Mechanics of New Materials and Their Applications” (July 19-22, 2016, Surabaya, Indonesia), selected reports of which have been published as Springer Proceedings “Advanced Materials – Techniques, Physics, Mechanics and Applications” by Springer Nature, Cham, Switzerland and as Proceedings of the 2016 International Conference on “Physics, Mechanics of New Materials and Their Applications” by Nova Science Publishers, New York;

2017 International Conference on “Physics and Mechanics of New Materials and Their Applications” (October 14-16, 2017, Jabalpur, India), selected reports of which have been published as Springer Proceedings “Advanced Materials - Proceedings of the International Conference on “Physics and Mechanics of New Materials and Their Applications”, PHENMA 2017” by Springer Nature, Cham, Switzerland; as Proceedings of the 2017 International Conference on “Physics, Mechanics of New Materials and Their Applications” by Nova Science Publishers, New York and in two special issues of International journal "Material Physics and Mechanics" (Saint-Petersburg, Russia);

2018 International Conference on “Physics and Mechanics of New Materials and Their Applications” (August 9-11, 2018, Busan, South Korea), selected reports of which have been published as Springer Proceedings “Advanced Materials - Proceedings of the International Conference on “Physics and Mechanics of New Materials and Their Applications”, PHENMA 2018” by Springer Nature, Cham, Switzerland; as Proceedings of the 2018 International Conference on “Physics, Mechanics of New Materials and Their Applications” by Nova Science Publishers, New York; in the International journal "Material

Physics and Mechanics" (Saint-Petersburg, Russia) and in two special issues of International journals: "Applied Sciences" (MDPI), and "Modern Physics Letters B" (World Scientific Publishing);

2019 International Conference on "Physics and Mechanics of New Materials and Their Applications" (November 7-10, 2019, Hanoi, Vietnam), selected reports of which have been published as Springer Proceedings "Advanced Materials - Proceedings of the International Conference on "Physics and Mechanics of New Materials and Their Applications", PHENMA 2019" by Springer Nature, Cham, Switzerland; as Proceedings of the 2019 International Conference on "Physics, Mechanics of New Materials and Their Applications" by Nova Science Publishers, New York; in the International journal "Material Physics and Mechanics" (Saint-Petersburg, Russia) and in three special issues of International journals: "Applied Sciences" (MDPI), "Journal of Advanced Dielectrics" (World Scientific Publishing) and "Modern Physics Letters B" (World Scientific Publishing);

2020 International Conference on "Physics and Mechanics of New Materials and Their Applications" (March 26-29, 2021, Kitakyushu, Japan), selected reports of which have been published as Springer Proceedings in Materials "Physics and Mechanics of New Materials and Their Applications - Proceedings of the International Conference PHENMA 2020" by Springer Nature, Cham, Switzerland; as Proceedings of the 2020 International Conference on "Physics, Mechanics of New Materials and Their Applications" by Nova Science Publishers, New York; in the International journal "Mechanics of Composite Materials" (Springer, USA) and in three special issues of International journals: "Applied Sciences" (MDPI), "Journal of Advanced Dielectrics" (World Scientific Publishing) and "Modern Physics Letters B" (World Scientific Publishing);

10th Anniversary International Conference on "Physics and Mechanics of New Materials and Their Applications" (May 23-27, 2022, Divnomorsk, Russia), selected reports of which have been published as Springer Proceedings in Materials "Physics and Mechanics of New Materials and Their Applications - Proceedings of the International Conference PHENMA 2021 – 2022", by Springer Nature, Cham, Switzerland; as Physics, Mechanics of New Materials and Their Applications 2021 – 2022 by Nova Science Publishers, New York; in the International journals "Mechanics of Composite Materials" (Springer, USA) and "Journal of Advanced Dielectrics" (World Scientific Publishing) and in special issue of International journal "Applied Sciences" (MDPI);

2023 International Conference on "Physics and Mechanics of New Materials and Their Applications, PHENMA 2023" (October 3-8, 2023, Surabaya, Indonesia), selected reports of which have been published as Springer Proceedings in Materials "Physics and Mechanics of New Materials and Their Applications - Proceedings of the International Conference PHENMA 2023", by Springer Nature, Cham, Switzerland; as Physics, Mechanics of New Materials and Their Applications 2023 by Nova Science Publishers, New York;

2024 International Conference on "Physics and Mechanics of New Materials and Their Applications, PHENMA 2024" (November 6-11, 2024, Indore, India), selected reports of which will be published as Springer Proceedings in Materials "Physics and Mechanics of New Materials and Their Applications - Proceedings of the International Conference PHENMA 2024", by Springer Nature, Cham, Switzerland; as Physics, Mechanics of New

[Materials and Their Applications 2024](#) by Nova Science Publishers, New York; in special issues of the “[Journal of Advanced Dielectrics](#)” (World Scientific Publishing) and in the “[Mechanics of Composite Materials](#)” (Springer, USA).

Main goal of the conference is to attract researchers from countries of Asia and Asian-Pacific Ocean Region, other countries to fulfillment of joint investigations and scientific collaboration.

Abstracts

The abstracts up to one page in WORD (*.docx) should be submitted by e-mail before **May 1, 2025** to: parinov_ia@mail.ru and duplicated to iparinov@sfedu.ru. Authors will be notified by **May 1, 2025** whether the contribution has been accepted. The format to be used is a text within one standard A4 page. A 12-point font should be used. The title appears centered. It is separated by an empty line from the author’s name, also centered. The name of the author who presents the contribution should be underlined. An empty line separates the name from the author’s affiliations and e-mail of corresponding author, also centered. The abstracts can include figures, tables and references. The Abstracts book will be published before the conference.

Proceedings

The proceedings will be published as two edited books: *Springer Proceedings in Materials “Physics and Mechanics of New Materials and Their Applications - Proceedings of the International Conference PHENMA 2025”* by Springer Nature, Cham, Switzerland and *Physics, Mechanics of New Materials and Their Applications 2025* by Nova Science Publishers, New York and also in the international journals (SCI journals): “*Journal of Advanced Dielectrics*” (World Scientific Publishing), and “*Mechanics of Composite Materials*” (Springer, USA). All journal papers will be published after the peer review process. The deadline for contributions to the proceedings (SPRINGER, NOVA) submitted electronically by the authors is **October 10, 2025**. All full-text book publications should be submitted by e-mail to: parinov_ia@mail.ru and duplicated to iparinov@sfedu.ru. It is assumed the length of the Springer manuscripts will be up to **12 pages** and Nova manuscripts will be up to **6 pages**. Instructions for preparing the manuscripts will be sent to all presenting authors after the abstracts have been accepted.

The official language of the conference will be **English**.

Local Secretariat of the Conference

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General Secretariat of the Conference

e-mail: parinov_ia@mail.ru

Website: <http://phenma2024.sfedu.ru/>

Facebook: <https://www.facebook.com/PHENMA2024/>

Registration and Fees

Preliminary registration will be available by e-mail. Corresponding Registration Form will be presented in the information distributions of PHENMA-2025 Secretariat and should be submitted with corresponding abstracts by e-mail to parinov_ia@mail.ru up to **May 1, 2025**. All **full participants** must pay the Registration Fee up to **September 1, 2025**, which will be **US\$450 (after September 1, 2025, US\$500)** including banquet and technical programs, coffee-break, electronic book of the Conference Abstracts and electronic version of the Conference Proceedings. The electronic versions of the Conference Proceedings published after the conference will be sent by e-mail to the corresponding authors by the Conference Secretariat.

For **the students (ID needed)** special registration fee is stated which will be **US\$150 (after September 1, 2025, US\$200)** and **the young scientists (up to 35 years old, ID needed)** special registration fee is stated which will be **US\$250 (after September 1, 2025, US\$300)**. This registration fee includes a banquet and electronic version of the Conference Proceedings, too.

Registration Desk

The Abstract book with Conference Schedule, tickets for social events and other conference materials will be available at the Conference Registration Desk.

Additional information will be available at the Conference website and in Facebook.

Kitakyushu

Kitakyushu city is located on the northern tip of Kyushu Island and is the second largest city in terms of population on this island. With views over the Sea of Japan and the Seto Inland Sea, and with forty percent of the city's area comprised of rich forest, it is a city blessed with an abundance of nature. It has many notable attractions include Kokura Castle, the port town of Mojiko Retro, the Hiraodai Limestone Plateau (one of the three major karst plateaus of Japan), and many leisure facilities. Kitakyushu City also has a vast menu of appetizing dishes, such as Kokura beef, and Yaki-udon, as well as many other delicacies harvested from the mountains and sea.

Location Map



Access Map

Getting to Kitakyushu International Conference Center(KICC)



From Kokura Station to Kitakyushu International Conference Center



from Fukuoka City

From Fukuoka Airport to Hakata Station by subway (5 min.)

From Hakata Station to Kokura Station by Shinkansen (16 min.)

From Kokura Station to Kitakyushu International Conference Center on foot (6 min.)

from Tokyo

From Tokyo Station to Kokura Station by Shinkansen (4 h 40 min.)

From Kokura Station to Kitakyushu International Conference Center on foot (6 min.)

from Osaka

From Kansai Airport to Shin-Osaka Station by express train (50 min.)

From Shin-Osaka Station to Kokura Station by Shinkansen (2 h 20min.)

From Kokura Station to Kitakyushu International Conference Center on foot (6 min.)

Method of Payment

Payment to be made in USD in direct transfer to:

Account Name (Beneficiary): COMPOSITES SOLUTIONS CO., LTD

Bank Name: HANA BANK, BUSAN Branch

Bank Address: 94, Jungang-daero, Jung-gu, Busan, 48939, South Korea

SWIFT (Bank Code): KOEXKRSE or KOEXKRSEXXX

ACCOUNT: 102-910031-40438

Phone: +82-10-2083-0614

Hotel

1. RIHGA Royal Hotel Kokura

Address: 2-14-2 Asano, Kokurakita-ku, Kitakyushu City, Fukuoka

Phone: +81 93 531 1121

Website: <https://www.rihga.com/kitakyushu>

2. JR Kyushu Station Hotel Kokura

Address: 1-1-1, Asano, Kokurakita-ku, Kitakyushu City, Fukuoka

Phone: +81 93 541 7111

Website: <https://www.station-hotel.com/english/>

3. **Comfort Hotel Kokura**
Address: 2-6-21, Asano, Kokurakita-ku, Kitakyushu City, Fukuoka
Phone: +81 93 512 8311
Website: <https://www.choicehotels.com/japan/kitakyushu/comfort-inn-hotels/jp075>
4. **Nishitetsu Inn Kokura**
Address: 1-4-11 Komemachi Kokurakita-ku , Kitakyushu City, Fukuoka
Phone: +81 93 511 5454
Website: <https://inn-kokura.nishitetsu-hotels.com/en-gb>
5. **Hotel Crown Palais Kokura**
Address: 1-2-1 Bashaku, Kokurakita-ku, Kitakyushu City, Fukuoka
Phone: +81 93 511 4111
Website: <https://www.crownpalais.jp/kokura/en/>
6. **Quintessa Hotel Kokura**
Address: 1-3-6 Asano, Kokurakita-ku, Kitakyushu City, Fukuoka
Phone: +81 93 522 8800
Website: <https://quintessahotels.com/kokura/en/>
7. **Daiwa Roynet Hotel Kokura Ekimae**
Address: 1-5-14, Uo-machi, Kokurakita-ku, Kitakyushu-shi, Fukuoka
Phone: +81 93 513 7580
Website: <https://www.daiwaroynet.jp/english/kokuraekimae/>
8. **Toyoko Inn Kokura-eki Shinkansen-guchi**
Address: 2-18-18, Asano, Kokurakita-ku, Kitakyushu-shi, Fukuoka
Phone: +81 93 541 1045
Website: https://www.toyoko-inn.com/search/detail/00219?lcl_id=en/
9. **Toyoko Inn Kokura-eki Kita-guchi**
Address: 2-16-21, Asano, Kokurakita-ku, Kitakyushu-shi, Fukuoka
Phone: +81 93 513 1075
Website: https://www.toyoko-inn.com/search/detail/00360?lcl_id=en
10. **Toyoko Inn Kokura-eki Minami-guchi**
Address: 3-14-6, Kyomachi, Kokurakita-ku, Kitakyushu-shi, Fukuoka
Phone: +81 93 511 1045
Website: https://www.toyoko-inn.com/search/detail/00152?lcl_id=en

Dates & Deadlines

Deadline for Abstracts:	May 01, 2025
Notification of Acceptance:	July 01, 2025
Preliminary registration of abstracts:	July 01, 2025
Registration fee Payment:	September 1, 2025
Registration and arrival in Kitakyushu:	September 27, 2025
Conference:	September 27-30, 2025
Departure:	October 01, 2025
Deadline for Full Papers:	October 10, 2025