

Personal Invitation by the Founder and President of the MIRCE Akademy



All engineering disciplines have been developed, several decades or even centuries, after the development of the relevant science discipline. Thus, mechanical, electrical, nuclear, chemical, aeronautical and other types of well recognised and proven engineering disciplines have grown on the foundations made of mechanics, electrodynamics, fluid mechanics, thermodynamics, quantum mechanics and similar scientific disciplines, fully defined by the proven laws and equations named after their creators like Newton, Maxwell, Hamilton, Lagrange, Euler,

Bernoulli, Boltzman, Planck Schrödinger, Heisenberg and other giants of science.

However, the story of reliability, operability, maintainability, supportability, testability and other related engineering disciplines, known as –ility engineering, is completely the opposite. They came on the scene in the second half of twentieth century in direct response to the customers' demands for reliable, maintainable, supportable, operable and available machines, which existing engineering disciplines were not able to deliver. Under those circumstances thousands of dedicated professionals within aerospace, defence, automotive, power and other industries tried to do their best to rise to the challenge. Industrial standards were created, best practices were observed and prescribed to satisfy contractual requirements, but no significant progress has been made in establishing it as a well-recognised and proved discipline of engineering.

In summary, for the first time in engineering history the process of the creation of an engineering profession has preceded the process of the creation of scientifically proven theories, laws and formulas. Hence, to put -ility engineering on a par with other proven and respected engineering disciplines it was necessary to create a science based foundation and make it compatible with other engineering disciplines regarding terminology, definitions, physical units and prediction accuracy on one hand and also to develop publishing, education and training opportunities.

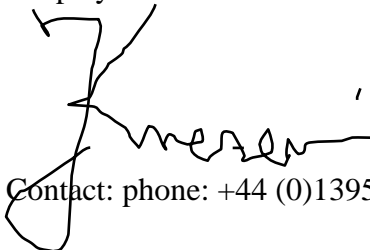
With that in mind I established the MIRCE Akademy in 1999, where we have now created Mirce Mechanics, the scientific theory of the motion of functionability through the life of machines. Its axioms, laws, formulas and methods have been developed to enable accurate predictions of a machine's reliability, maintainability, supportability, operability, availability and similar measurable functionability characteristics to be made with probabilistic regularity.

Consequently, I wish to invite you to consider my invitation to become a Member of this unique organization that is engaged in scientific, educational, training and literary and professional endeavours related to Mirce Mechanics. (www.mirceakademy.com)

I am convinced that without the knowledge of Mirce Mechanics it is impossible to successfully perform design engineering tasks whose main objectives are the creation of machines that are:

- operable, reliable, maintainable, supportable and available as required by users
- demanding the least investment in in-service resources like personnel, material, equipment, facilities, information and others
- generating the least possible harmful impact on humans and natural environment.

I hope you find this interesting and will consider becoming a member.



Contact: phone: +44 (0)1395 233 856, email: jk@mirceakademy.com

The MIRCE Akademy Membership Opportunities

Membership of the MIRCE Akademy is open to anyone with an interest in the body of knowledge of Mirce Mechanics and with enthusiasm for its expansion and applications.

The following opportunities will be available to the Members of the MIRCE Akademy:

Scientific:

- Associate themselves with the MIRCE Akademy, the birth place of Mirce Mechanics
- Learn about the latest scientific developments, related to the Principles and Methods of Mirce Mechanics, from the Journal of MIRCE Akademy.
- Inform colleagues about your own scientific or professional discoveries
- Publish, peer reviewed, papers, monographs and books relevant to theoretical and applied aspects of Mirce Mechanics
- Attendance of the MIRCE Akademy Annual Lecture
- Attendance of the Richard, F.W. Bader Memorial Lecture
- Attendance of the Master and Doctoral Dissertation presentations of the students of the Akademy
- Enjoy access to the MIRCE Akademy Resource Centre:
 - **The Research Collection**, which consists of scientific papers, Masters dissertations and Doctoral theses, Symposia and Conference Proceedings
 - **The Journal and Periodicals Collection**, which consists of a large number of leading International Publications, Annals, Periodicals and Journals
 - **Polly Vacher Collection**, which consists of the world unique scientific data, collected during her Round the World solo flight in a single engined light aircraft, via Arctic and Antarctica, between the 6th May 2003 –and 27th April 2004.

Educational:

- Acquisition and enhancement of Mirce Mechanics body of knowledge through:
 - Master Diploma Programme
 - Doctoral Diploma Programme

Both Programmes can be taken through part time or distance learning scheme.

Professors are members of staff of the Akademy or selected academics and practitioners, globally recognised for their expertise.

Training:

- Continuously enhance a particular topic(s) of interest, within Mirce Mechanics, relevant to your own or organisational, needs, through:
 - Short Training Courses at the Akademy
 - Short Training Courses at your own Organisation
 - Summer Schools, in UK and abroad.

Trainers are members of staff of the Akademy or selected global experts in the subjects concerned.

Professional:

- Work with the Akademy to undertake research, dissemination and application of Mirce Mechanics based knowledge
- Meet and establish contacts with worldwide leading Scientists, Engineers, Mathematicians, Adventurers and Sportsmen.
- Enjoy free access to the MIRCE Akademy Resource Centre reading room:

- **The Reference Collection**, which consists of handbooks, directories, standards, bibliographies, guides, dictionaries, government and other official publications
- **The Main Collection**, which consists of texts and other publications in related disciplines
 - **The Blanchard Collection**, which consists of Systems and Specialist Engineering and Management books, generously donated by Emeritus Professor Benjamin Blanchard of Virginia Tech, USA
 - **The Henshall Collection**, which consists of Materials Science and Mechanics books, generously donated by Professor John, Leslie Henshall, Science Fellow of the Akademy.
 - **The Mirce Collection** which consists of Science, Mathematics, Engineering, Management and general knowledge books, made available by Dr Jezdimir Knezevic, Founder of the Akademy.
 - **The Nicholas Collection** which consists of Economics and Finance books, generously donated by Mr Clive Nicholas, first Director of Operation of Mirce Science.
 - **The Zienkiewicz Collection**, which consists of Mathematics and Physics books, generously donated by Anna Zee, daughter of late Dr Henryk Zienkiewicz, Reader at Exeter University in UK.
- **The MIRCE Akademy Archive**, which consists of the unique written papers and power point presentations published by the Akademy covering subjects such as: reliability, maintainability, supportability, system engineering, life cycle costing, project management, human factor engineering, maintenance, logistics support management, and similar.
- **The Research Collection**, which consists of scientific papers, Masters Dissertations and Doctoral Theses.
- **The Journal and Periodicals Collection**, which consists of a large number of leading International Publications, Periodicals and Journals
- **The Audio-Visual Collection**, which consists of several hundreds of professional and technical videotapes, CD ROMs, DVDs and other media
- Publish technical papers, monographs and books in conjunction with the Fellows and Staff of the Akademy
- Participate in events organised by the Akademy, as keynote speakers, session chairmen, visiting professors and course instructors.
- Opportunity to be elected as a Fellow of the Akademy
- Permission to use the designation Member of The MIRCE Akademy, which could be abbreviated to PMMA, RMMA and SMMA.

Financial:

- 10 % discount on:
 - Communication Events such as: Summer/Winter schools, short courses, Symposia, Congresses and Technical Visits
 - Products made and distributed by the Akademy: Reports, Books, Monographs
- 25 % discount on:
 - Attendance of the Traditional MIRCE Akademy Annual Christmas Dinner
- Free unlimited access to the Members Only part of the MIRCE Akademy website, where the scientific papers, professional articles, technical reports and other relevant information will be published for the members use.

Personal:

- Preferential booking rates at Woodbury Park Hotel for them and members of their immediate family.
- Preferential booking rates at Woodbury Golf Club for them and one guest (currently 30% on Golf and 10% on food and beverage).

Membership fees are as follows (inclusive of VAT)*:

Category	Application Fee	Annual Fee	3 Year Fee	Life Time
Professional Member	£15.00	£95.00	£ 225.00	£1000.00
Retired Member	£10.00	£45.00	£95.00	£350.00
Student Member	£5.00	£35.00	£75.00	n/a

Application Fee is an administrative charge applied when joining for the first time.

To become a Member please complete the Member Application Form, and return it with payment to:

MIRCE Academy
 Membership Office
 Woodbury Park
 Exeter EX5 1JJ
 United Kingdom

For further information please contact us by:

Phone: +44 (0) 1395 233 856

Email: quest@mirceakademy.com

* **Reduced subscriptions are available** - If your annual income is less than £15,000, €20,000 or \$25,000 you will be able to apply for the reduced subscriptions fee. We assess all cases on an individual basis. In exceptional circumstances, we may approve applicants with a higher income. Current reduced subscription fee is 50% of the relevant amount, shown in the table above, with application charges of £5.00. To apply for the reduced subscription or for more information, please contact us.