SIM4Future Code of Ethics

Entities and People joining to **SIM4FUTURE** accept to adopt the following Code of Ethics for *Strategic Engineers* inspired by that one for Simulationists (SimEthics available in English, French, Italian, Turkish and originally published by Prof.Tuncer I. Oren, Ir.Maurice I. Elzas, Dr.Iva Smit and Prof.Louis G.Birta in 2002); credits to Liophant Simulation, Simulation Team and Prof.Agostino Bruzzone that contributed to the promotion.

SIM4Future Code of Ethics

Preamble

SIM4Future Engineers, Scientists and Personnel are professionals working in *SIM4Future* and are usually involved in one or more of the following areas:

- *SIM4Future Activities*, so activities using and combing *Data Analytics, Modeling & Simulation (M&S) and Artificial Intelligence (AI), Strategic Engineering*

- Providing *SIM4Future* products

- Providing *SIM4Future* services

- Consulting through *SIM4Future*

1. Personal Development and Profession

As a *SIM4Future Professional* I will:

- 1.1 Acquire and maintain professional competence and attitude

- 1.2 Treat fairly employees, clients, users, colleagues, and employers

- 1.3 Encourage and support new entrants to the profession

- 1.4 Support fellow practitioners and members of other professions who are engaged with *SIM4Future*

- 1.5 Assist colleagues to achieve reliable results

- 1.6 Promote the reliable and credible use of *Strategic Engineering, M&S, AI, Data Analytics*

- 1.7 Promote the *Strategic Engineering* profession; e.g., advance public knowledge and appreciation of combined use of *Data Analytics. Modeling & Simulation, AI and Machine Learning (ML), LLM (Large Language Models), Strategic Engineering* as well as clarify and counter false or misleading statements

2. Professional Competence

As a *SIM4Future Professional* I will:

- 2.1 Assure product and/or service quality by the use of proper methodologies and technologies

- 2.2 Seek, utilize, and provide critical professional review

- 2.3 Recommend and stipulate proper and achievable goals for any project

- 2.4 Document the *SIM4Future Studies* and/or *Systems* comprehensibly and accurately to authorized parties

- 2.5 Provide full disclosure of system design assumptions and known limitations and problems to authorized parties

- 2.6 Be explicit and unequivocal about the conditions of applicability of specific *SIM4Future Solutions* and associated *Results*

- 2.7 Caution against acceptance of *SIM4Future Solutions* and associated *Results* when there is insufficient evidence of thorough Validation and Verification

- 2.8 Assure thorough and unbiased interpretations and evaluations of the **SIM4Future Solutions**, associated **Results** and **Studies**

3. Trustworthiness

As a **SIM4Future Professional** I will:

- 3.1 Be honest about any circumstances that might lead to conflict of interest

- 3.2 Honor contracts, agreements and assigned responsibilities and accountabilities

- 3.3 Help develop an organizational environment that is supportive of ethical behavior

- 3.4 Support studies which will protect and defend Humans as well as Environment for current and future generations

4. Property Rights and Due Credit

As a **SIM4Future Professional** I will:

- 4.1 Give full acknowledgement to the contributions of others

- 4.2 Give proper credit for intellectual property

- 4.3 Honor property rights including copyrights and patents

- 4.4 Honor privacy rights of individuals and organizations as well as confidentiality of the relevant data and knowledge

5. Compliance with the Code

As a **SIM4Future Professional** I will:

- 5.1 Adhere to this code and encourage other **Engineers** and **Scientists** to adhere to it

- 5.2 Treat violations of this code as inconsistent with being a **SIM4Future Professional**

- 5.3 Seek advice from professional colleagues when faced with an ethical dilemma in **SIM4Future Activities**

- 5.4 Advise any professional society which supports this Code of desirable updates