



# SYSTEMS AND SYSTEMIC REQUIREMENTS ENGINEERING AND MANAGEMENT

## ***Descriptions des Cours***

This course equips participants with the appropriate understanding of the difficulty of writing good requirements, the use of requirement management as an approach for controlling change and measuring the degree of completion of a project over the development, build, test and deliver, portion of the system and software life cycle.

The course uses a mixture of active and passive teaching styles to maximize the effectiveness of the learning opportunity. Participants will be provided with a software tool (Tiger Pro) specially developed as an educational tool with which to write and test requirements.

## ***Objectifs***

- Understand the importance of well-written requirements
- Understand why requirements errors cost more to correct than other types of errors in the system development process.
- Deal with poorly written requirements.
- Recognize poorly written requirements and be able to repair them. Create clear and concise well-written requirements.

- Mitigate the effect on cost and schedule due to poorly written requirements.

### ***Pour Qui***

- Personnel who specify the development of technology-based systems.
- Engineers and programmers elucidating requirements from customers.
- Designers who work with poorly written requirements.
- Software and hardware testers who need to figure out how to test requirements.
- Acquisition managers, contract specialists.
- Other personnel performing similar roles.

### ***Tarifs des Cours***

Early Bird Rates: 1,350 CHF. Regular Rates: 1,500 CHF.

### ***Durée***

9 jours

### ***Enseignant***



Joe Kasser

Avant de rejoindre le domaine académique, Dr Joseph Kasser a fait carrière en tant qu'ingénieur système et manager pendant 30 ans. Il a reçu le prix NASA Manned Space Flight Awareness (Silver Snoopy) de qualité et d'excellence technique ainsi que d'autres prix et reconnaissances. Il est membre affilié de l'INCOSE et détient un doctorat de Management en Ingénierie de l'université de Washington. Il est également ingénieur et directeur agréé. Il est désormais titulaire d'une chaire à l'université nationale de Singapour. Il a aussi été professeur à l'université de Cranfield en Angleterre, directeur adjoint et chercheur en ingénierie et évaluation système à l'université du sud de l'Australie.

