

Advanced Coating Technology

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Program

Lecture 1	Introduction of thermal spray	Oct.26 AM 8:00-9:40
Lecture 2	Plasma spraying / electric arc spraying	Oct.26 AM 10:00-11:40
Lecture 3	Flame spraying/high-velocity oxy-fuel spraying / detonation spraying	Oct.27 AM 8:00-9:40
Lecture 4	Cold gas spraying	Oct.27 AM 10:00-11:40
Lecture 5	Latest development in thermal spraying	Oct.28 AM 8:00-9:40
Lecture 6	Feedstock for thermal spray process	Oct.28 AM 10:00-11:40
Lecture 7	High energy flow / feedstock interactions	Oct.29 AM 8:00-9:40
Lecture 8	Feedstock / substrate interactions	Oct.29 AM 10:00-11:40
Lecture 9	Main effects of some operating parameters	Nov.2 AM 8:00-9:40
Lecture 10	Economic benchmark	Nov.2 AM 10:00-11:40
Lecture 11	Industrial applications of thermal spray	Nov.3 AM 8:00-9:40
Lecture 12	Introduction to additive manufacturing	Nov.3 AM 10:00-11:40
Lecture 13	Additive manufacturing (AM): historical perspective	Nov.4 AM 8:00-9:40
Lecture 14	CAD and the numerical definition of parts	Nov.4 AM 10:00-11:40
Lecture 15	Early and actual applications in prototyping	Nov.5 AM 8:00-9:40
Lecture 16	AM techniques using powder spraying and powder beds	Nov.5 AM 10:00-11:40
Lecture 17	AM : new design opportunities	Nov.6 AM 8:00-9:40
Lecture 18	Case study: from the concept to the real part	Nov.6 AM 10:00-11:40

Location: College of Mechanical Engineering, Lixing building, Conference Hall 401

Graduate Students Are Welcome!