

First.

The jewellery supremacy

**Fourth edition of the Jewelry Technology Forum,
the international appointment for gold jewellery production technology**

IN THE SPOTLIGHT: THE GOLD JEWELLERY SECTOR BETWEEN TECHNOLOGY AND INNOVATION

Trissino Room

Wednesday 16 January 2008 from 14.00 to 18.00

Thursday 17 January 2008 from 9.00 to 18.00

The fourth edition of the **Jewelry Technology Forum (JTF)** makes its annual appearance at the FIRST fair. This international appointment for gold jewellery production technology is promoted by the Legor Group Srl and realised in collaboration with the Vicenza Fair, the Vicenza Chamber of Commerce and the Banca Popolare di Vicenza.

The event, entitled "**The world of gold jewellery between technology and innovation**" and scheduled for **Wednesday 16 January and Thursday 17 January** in the Trissino Room at the Fair, aims to provide an active exchange of information and know-how for orientation of technological research in the gold sector. The JTF intends to spread awareness of the importance of interchanging know-how and information, suggesting strategy based on the development of new alloys and new jewel production techniques.

In the two work sessions, which start Wednesday from 14.00 to 18.00 with "Design & Prototyping" and finish Thursday from 9.00 to 18.00 with "Technology & Research", JTF speakers and participants will be kept busy with a programme of speeches and in-depth looks at the universe of "precious metals".

At the base of the loss of competitiveness of the gold jewellery sector lies the product's lack of recognition. The capacity to make the most of the product has become indispensable, giving identity to the brand with valid tools such as marketing and strategic design.

Most of the attention will be focused on emerging technologies, like digital sculpture in gold jewellery design and the perfect reproduction of defects through lost-wax casting and production of jewels using new materials, for example with palladium alloys and the development of 18-carat white gold alloys without nickel or palladium.

Entrance is free of charge, but you must register at www.jtf.it or by phoning +39 0444/467960.

The programme:

- **The perfect reproduction of defects using lost-wax casting**
Eddie Bell - Neutec - USA
- **The role of hardness in jewellery alloys**
Chris Corti - CoreGold Technology Consultancy - Reading - Berks - UK
- **Advances in the prevention of investment casting defects assisted by computer simulation**
Jorg Fisher Bhner - Legor Group - Bressanvido - IT: Indutherm - Walzbachtal - D
- **Casting of jewellery items - a statistical approach with DoE**
Gerd Wagner - Reischauer - D
- **Techniques for the Sintering Process for Jewellery and Multi-Colour Rings**
Klaus Wiesner - Wieland Industries - D
- **Development of 18-carat white gold alloys without nickel or palladium**
Andrea Basso - Legor Group - Bressanvido - IT
- **Optical metallography in jewellery-making: how to prevent problems and improve quality**
Paolo Battaini - 8853 Spa - Milan - IT
- **NiTiAu - A new shape memory 9kt alloy**
Stefano Besseghini - IENI - Lecco - IT
- **Production of jewels using palladium alloys**
Mark Mann - Palladium Alliance International - USA