

Modern Aircraft Analysis: A new course based on Piano.

(Advance Notification)

From: Dimitri Simos
To: All parties interested in Piano

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Dear All,

A new course will be set up with its central focus on the practical applications of Piano to modern, true-to-life commercial aircraft analysis.

The course will be open to everyone. Whether you are an existing user of the software or an interested non-user, you are welcome and can be sure to benefit from an accumulation of experience gained since the launch of Piano in 1990. Some general familiarity with common aeronautical concepts is assumed, but you do not have to be an expert in any field. From an introductory overview of the philosophy of Piano we will progress through to addressing the diverse needs of technical specialists.

This course will brief (or refresh) attendees on all aspects of generating competitive assessments for both existing and projected aircraft using Piano-5 (that is the full Piano, not Piano-X). Starting entirely from scratch we will formulate a rich set of examples and explore a variety of design configurations, optimisation studies and performance analyses including issues of environmental emissions. There will be clear perspectives on what is required to ensure usefulness and accuracy, working with some of the latest calibrated models in the Piano database (which currently stands at 500+ files). We will independently and objectively examine and quantify many key particulars of modern aircraft types.

Several designs will be generated live on Piano, step-by-step and sized to requirements:

- A 100-seater regional jet used as a 'warmup' to illustrate key Piano features.
- A 250-seat long-range airliner. This will then be adjusted and refined to match very closely the overall characteristics, definition and performance of the existing 787-8.
- A premier business jet project in the Global 8000 class.
- Some options for new turboprops sized for the 90-seater market.
- Some possible very-high-capacity medium-range airliners, with a brief discussion of their likely implications.

Course format will be informal, with the open delivery style that many of you have experienced during training sessions for new Piano customers. Questions are strongly encouraged: Expect a scarcity of Powerpoint slides and plenty of informative exchanges.

Course duration will be 3 days. It will take place less than a year from now (possibly a lot sooner) at a local (UK, Leicestershire) venue.

I invite you all to:

- Give an initial indication of your potential interest in attending this course.
- State your preferences for specific dates, or provide other comments.

Attendance fees will be announced later, and there will be reductions for existing users with support contracts.

Participants who are not current Piano users will also receive a free Piano-X model of their choice from the latest database.

Numbers will be strictly limited to ensure an environment in which everyone can get personal attention. Allocation will be on a first-come-first-serve basis.

Regards,

Dimitri



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Contact info in
www.piano.aero