



Second Announcement

Serbian Academy of Sciences and Arts announces a conference:

**Numerical Weather and Climate Modeling: Now,
and Vision of the Future**

Belgrade, September 24-25, 2026

A conference was held eight years ago by the Serbian Academy of Sciences and Arts, the place where Milankovitch (or, Milanković) published his ground-breaking climate change book, but, in 2018, addressing numerical weather and climate modeling. “Beginnings, Now, and Vision of the Future” was its suggested focus, for most readers probably hinting at the dynamical cores of models. Of which quite a variety exists. Architects of a number of leading modeling centers attended. Did some of the proclaimed visions of the future materialize? Have some been abandoned? One profoundly new approach today is one of the Artificial Intelligence and Machine Learning (AI/ML). Does the perhaps surprising skill of AI/ML make the visions of some years ago obsolete? Some of the studies published recently point to the skill of some models being better than that of others compared to. But skill of what model variables really matter? And are our models able to reflect the global warming that is taking place, in particular its acceleration of the several passed decades? Our real atmosphere has become darker. Have our model atmospheres become darker as well? If not, why not? There is an abundance of issues that we see as appropriate and deserving attention.

Abstracts or extended abstracts in the English language in MS Word up to a maximum of six pages, including figures, tables or diagrams, are invited to be submitted. Abstracts and registration form should be submitted electronically to natasa.stevic@sanu.ac.rs. Authors are kindly asked to download and follow the format given in the posted abstract template.

Abstract template as well as the registration form are available at:

<https://www.sanu.ac.rs/en/registration-of-participants-in-scientific-and-specialist-gatherings/numerical-weather-and-climate-modeling-now-and-vision-of-the-future/>

There is no registration fee. Registration deadline is **August 1**, and extended abstracts are expected by **August 10**.

With thanks for your attention, and hoping to welcome you in Belgrade,

Fedor Mesinger
Chairman of the Organizing Committee