Technische Universität Berlin

Prof.Günter M. Ziegler · MA 6-2 · TU-Berlin · 10623 Berlin

FAKULTÄT II
MATHEMATIK UND
NATURWISSENSCHAFTEN
Institut für Mathematik
Arbeitsgruppe
Diskrete Mathematik
Prof. Günter M. Ziegler

Prof. Rade Živaljević
Mathematički Institut
Knez Michailova 35/1, P.P. 367
11001 Beograd
Serbien

Ihr Zeichen	Ihre Nachricht	Mein Zeichen	Meine Nachricht	✆ ++49+30–314	Datum
		GMZ		–25730	28. Februar 2006

Betr.: Letter of Support

Dear Rade,

thank you very much for your message: I am happy to hear about, and give this strong statement of support, for the

"Dynamical systems, geometry, and combinatorics"

project that you are planning to submit as a "center of excellence" to the WBC Framework 6 Program.

For the project you are announcing, you can certainly count on intensive cooperation with me and my TU Berlin group. For this, we can build on

- our productive joint work that started in the fall of 1991, which has produced excellent scientific work (such as our two joint papers, published in *Mathematische Annalen* and *Crelle's Journal*),
- well-established modes of scientific exchange, with many visits between Berlin and Belgrade,
- meetings and exchange of ideas on occasion of workshops and conferences, some of which we co-organized (including your Kotor satellite workshop to the International Congress of Mathematicians in Berlin 1998, or the workshops in Stockholm and at MSRI Berkeley that I am co-organizing this year).

I would be very happy if the scientific exchange and collaboration between you and members of your group (specifically: Prof. Siniša Vrećica and Dr. Pavle Blagojevic) and me and members of my group (including Stephan Hell, Dr. Carsten Schultz, and Michael Joswig (now TU Darmstadt)) could be further extended and intensified. Indeed, as we know from joint discussions there is great potential in the development of theoretical *and* computational topological approaches to key problems of discrete geometry, such as the

→2

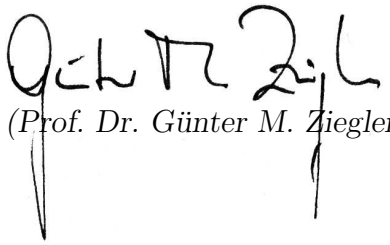
Telefon: ++49+30–314–25730 –23354 Telefax: ++49+30–314–21269 E–Mail: ziegler@math.TU-Berlin.DE

notorious mass partition problems, and versions of the Tverberg problem. In particular, I think that the (novel, and very broad and flexible) ideas of explicit equivariant obstruction theory that we have discussed may lead to substantial progress on some famous problems, but also define a main development for the field of Topological Combinatorics that we both work on.

From occasions such as my own last visit to Belgrade, and even more so the Montenegro conference that you organized, I saw that your group is already well-connected to groups and mathematicians in the Western Balkan area, in particular in various parts of former Yugoslavia, and in Hungary. Building a "center of excellence" with the Framework 6 program thus could have a great effect not only for you and your group, but also for many other mathematicians in the area.

In view of this, I very much support your current proposal, and will be happy to promise cooperation and support, including scientific exchange, visits and cooperation (which should involve both the two of us as well as members of our research groups, including graduate students).

With our best wishes,



(Prof. Dr. Günter M. Ziegler)