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Titolo	3rd International Conference on the Application of Superabsorbent Polymers (SAP) and Other New Admixtures Towards Smart Concrete [[electronic resource] /] / edited by William P. Boshoff, Riaan Combrinck, Viktor Mechtcherine, Mateusz Wyrzykowski
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Descrizione fisica	1 online resource (XXIII, 258 p. 126 illus., 86 illus. in color.)
Collana	RILEM Bookseries, , 2211-0844 ; ; 24
Disciplina	691
Soggetti	Building materials Polymers Materials science Mechanics Mechanics, Applied Building Materials Polymer Sciences Characterization and Evaluation of Materials Theoretical and Applied Mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Committees -- Sponsors -- Keynote Lectures (6 papers of around 15 pages each), Rheology and fresh properties -- Mechanical properties, Durability, Shrinkage and associated cracking -- Microstructure.
Sommario/riassunto	The book gathers the peer-reviewed contributions presented at the 3rd International Conference on Application of Superabsorbent Polymers (SAP) and Other New Admixtures towards Smart Concrete, held in Skukuza, South Africa, on November 25-27, 2019. It features papers focusing on the behavior of SAP in concrete (in particular the absorption behavior) as well as the effect of SAP on fresh and hardened concrete properties. It also covers topics such as other modern admixtures, in particular rheology-modifying admixtures, including the

recently emerging field of bio- or waste-derived admixtures. The conference builds on the experience and summarizes the activities of the RILEM Technical Committee 260-RSC "Recommendations for Use of Superabsorbent Polymers in Concrete Construction" and addresses other prominent research activities in the field of concrete admixtures.
